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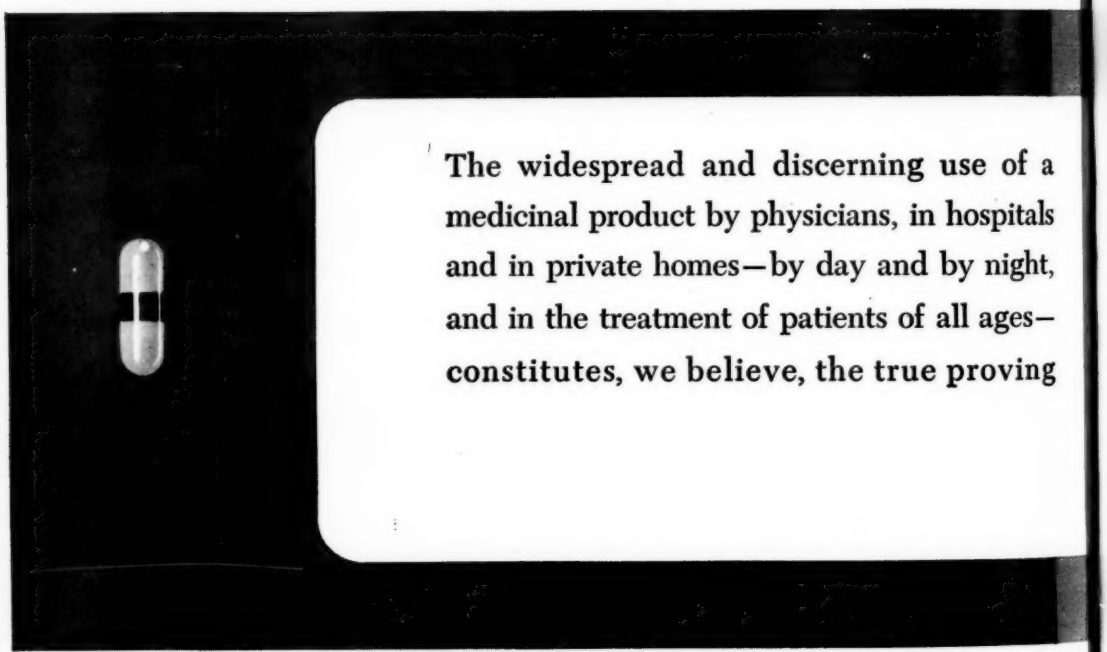
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PREVENTION AS A GOAL OF INDUSTRIAL HEALTH SERVICES

LEONARD A. SCHEELE, M.D.
Washington, D. C.



THIS CONFERENCE, it seems to me, represents a kind of partnership that has been a "going concern" for a long time—a partnership of management, labor, the health professions, and government. I would like to take just a few minutes to discuss this relationship.

We used to call this field of health work "industrial hygiene." The new term, "occupational health," characterizes it in a somewhat larger setting, including, nevertheless, the principles of industrial hygiene. The industrial hygiene movement in this country sprang from the initiative of a few progressive business men and the concern of a few physicians, toxicologists, and engineers. From the beginning, its aims were broader than the mere compliance with laws and regulations, often ineffective in bringing about improvements in the health of industrial workers. From the beginning, it was founded on the simple public health principle that "an ounce of prevention is worth a pound of cure."

Prevention—whether of accidents or occupational disease, of communicable or chronic diseases—implies a scientific understanding of causes. Prevention implies a practical means of removing, or minimizing, or controlling the risks of injury, of disease, of disability and death.

The first task of the industrial health movement was to develop the science and skills essential for the prevention of occupational morbidity and mortality. It is in this area of the development of industrial hygiene know-how that the Public Health Service entered partnership with management, labor, and the health professions just about forty years ago.

An Act signed by President William Howard Taft, August 14, 1912, gave the Service its first statutory authority to "study and investigate the diseases of man and conditions influencing the propagation and spread thereof." Prior to that time our research function had been confined to "infectious and contagious diseases." Early in 1913, on the basis of the new law, the Service set up an Office of Industrial Hygiene Investigations in the then Division of Scientific Research. Today, our Division of Occupational Health carries on a similar program of research and development—but in an entirely new environment created by four decades of technological advance and industrial expansion.

The Public Health Service came into the field of industrial hygiene at a time when industry—even large establishments—was spending very little on scientific research into the causes and prevention of occupational diseases and accidents. Then, only two or three State governments had research facilities for this purpose. At the present time, industry is spending many millions for research related to industrial health and safety.

All State governments now have some type of service related to the health and safety of in-

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Address delivered at the Upper Midwest Industrial Health Conference, Minneapolis, Minnesota, October 2, 1953.

Dr. Scheele is Surgeon General, Public Health Service, U. S. Department of Health, Education, and Welfare.

dustrial workers, but these services range from factory inspection concerning safety practices to comprehensive programs incorporating research and development. For the most part, however, State programs are not geared to broad occupational health research and in many instances the staff and facilities for consultant service to management and labor are meager.

Research in occupational health, however, is conducted primarily to elucidate the causes and prevention of conditions about which nothing or little is known. It incorporates basic physical and chemical laboratory studies, engineering studies, medical and epidemiologic studies. It is in this area of research that the Public Health Service has been principally active and in which we have made our major contributions.

During two world wars, the Public Health Service was given the responsibility for supervising industrial hygiene services in certain war industries owned and operated by the Federal government. In this work, we naturally investigated recognized hazards and inspected the establishments to determine whether or not industrial hygiene standards were being maintained. Also, in World War II, we loaned industrial hygienists—physicians and engineers—to the States to help them maintain their industrial hygiene service during a critical period. However, we have never operated industrial hygiene programs in private industry. When we go into an industrial establishment, it is at the request of the industry or a State agency with industry consent; and it is then solely for the purpose of conducting industrial hygiene research.

An important factor that has helped to make our contributions in this field significant is this: The Public Health Service is a "silent partner" in occupational health. That is to say, we have no voice in decisions on industrial health—either of the individual industry, or of the labor union, of the State or local government, or of the medical profession. When we get answers to a broad occupational health problem, they become public property in scientific reports. When we get answers, it is the responsibility of industry to apply the findings if it sees fit. It is the responsibility of industrial physicians and engineers to perform the direct services to men and women on the job. This has been the pattern of Public Health Service activity in occupational health since we entered the field. So I say, we are a silent partner; we have no voice in decisions—unless it be the voice of suggestion and reason.

What has been the fruit of this partnership? It is a well known fact that other industrial nations of the world regard industrial hygiene conditions in the United States and the health status of American workers as superior to their own.

Direct injuries from machinery, foreign bodies and similar hazards have been greatly reduced in most industries. Today, industrial accidents represent far less important causes of absenteeism than they once did. States have emphasized controls in this area usually through the activities of their State labor agencies.

Many of the occupational diseases that formerly took a high toll in certain industries have been reduced continuously over the years. Like many of the communicable diseases in the general population, these occupational diseases are no longer major health problems among workers because preventive measures have been widely applied. Among these one-time "black plagues" of industry, we can cite silicosis, mercurialism, lead and phosphorus poisoning.

The physicians who pioneered in industrial hygiene have seen the concept of industrial medicine broaden toward their original vision of a preventive medical service concerned with the total health of the worker. The labor unions and the individual workers no longer regard such services with fear and resistance, but with confidence and co-operation.

How have we accomplished these improvements? The Secretary of the Department of Health, Education, and Welfare gave us a challenging answer in her recent address to the American Federation of Labor. "These accomplishments have been made possible by co-operation," she said, "by working together. But we know that we still have a long way to go. For our goal goes far beyond the elimination of specific occupational diseases and hazards on the job. It looks toward the day in which the worker's total health—mental and physical, on the job and off it—reaches its maximal potential . . . It is plain that this goal can be reached . . . only by the combined efforts of labor, industry, and government."

Yes, we still have a long way to go. But the goal is worth the effort which all of us must

make. It seems to me that here in Minneapolis you are involving yourselves in what we may call a way of the future in occupational health. The concern you have for health services in small firms is shared by business organizations, labor unions, medical associations, and governmental agencies up and down the country. But if that concern is to be productive of results, there must be leadership where the problem arises.

The important factor here is that the Minneapolis Chamber of Commerce and the professional associations of this area have taken the leadership to solve a problem affecting the productive capacity, the health and well-being of one of the Nation's great industrial areas. The important factor here, too, is that State and local governmental agencies are partners in this effort.

It was such multiple partnership that sustained the initial work of Dr. Leonard Arling eight years ago in setting up the Northwest Industrial Clinic to serve industries in the Twin-City Area. From the beginning, business associations and the Minnesota State departments of health and of labor and industry have co-operated to broaden the technical services available through the clinic. And today, the Minneapolis Health Department is co-operating through the work of Dr. W. E. Park.

This is the kind of co-operation that our Secretary called the motivating force in attaining the goals of occupational health. When we think of applying this partnership to the task of stimulating industrial health services in small firms, however, we realize that it is a large order.

The lack of health services for workers in small establishments is a problem throughout the country, and one that is growing and becoming more critical as small business expands. Moreover, it is a problem whether we are thinking of the repair shop or the factory, the construction firm or the bank, the public utility or the department store.

I should be less than candid if I did not tell you that—despite the growing concern, despite the pioneer efforts of management and labor, the medical profession and public health agencies—progress in the provision of occupational health services in small firms is discouragingly slow.

America is a nation of small businesses. About 99 per cent of all establishments reporting taxable wages under the Old-Age and Survivors Insurance program employ fewer than 500 persons. About 70 per cent of all employes in the United States are in these small establishments. Yet, less than 5 per cent of these employes in small firms have any type of in-plant, or on-the-job, health services. This is a conservative estimate based on limited studies by the National Association of Manufacturers, the Brookings Institution, various State agencies, and the Public Health Service.

I cannot, of course, give you comparable estimates for Minnesota and the Twin Cities area. However, it is well known that industry here follows the typical American pattern of small business. It seems to me, therefore, that you have in the Twin Cities an unusually good opportunity to demonstrate to the nation as a whole what can be accomplished in the development of constructive, economical industrial health services for small firms.

Is there a need for such services? Here again, national estimates of need are not as precise as we would like to have them. *The National Safety News* for October, 1951, cites figures, however, indicating that accidents occur in small plants about two and a half times as frequently as in medium and large size plants.

The data on sickness absenteeism are not available according to size of plant. The estimated total loss due to temporary disability from all causes is between 400 million and 500 million man-days annually. This does not include the cost to the nation of permanent disability among Americans of working age.

It would be difficult to relate the national estimate of 400 million lost man-days due to accidents and disease to the worker population of the Twin Cities. You get some idea of the magnitude of the local cost, however, by applying the national average of ten days per worker to the Twin Cities' 460,000 or more workers. For Minneapolis and Saint Paul, this means an annual loss of between 4,000,000 and 5,000,000 man-days.

Even if we assume that these losses in productivity, in purchasing power, in expenses for medical and hospital care, and in personal health, occur with equal frequency in small and large business establishments, the distribution of employment tells us that the major portion of the nation's economic loss—the Twin Cities' economic loss—occurs in small businesses.

What can we do about it? Let me say here

and now that we do not know all the answers by any means. But it can be said that there have been various experiments here and there, by public and private organizations singly or in co-operation, which begin to suggest some approaches which may lead to the right answers.

In the first place, there is fairly widespread agreement on the objectives of industrial health programs. I found these objectives admirably summarized by Dr. Dale C. Cameron of our Division of Occupational Health.[1] They are:

"1. The assessment of a worker's physical and psychological assets and liabilities in order to facilitate the selection and proper placement of employes.

"2. The prevention of occupational illnesses and the detection of nonoccupational illnesses in an early stage.

"3. The provision of treatment, the type and extent of which must depend on matters of policy, both local and broad.

"4. The fostering of those physical, mental, and social habits and attitudes which are conducive to both productivity at work and the enjoyment of life."

These are laudable goals, but the practical means of attaining them are by no means as clearly defined as would be desirable. What about costs, for example? Does the program really pay off? Are there supplementary community health services that could be drawn upon to help achieve the goals of occupational health?

A study completed by the Public Health Service in 1952[2] brings together much of the available information on services in small businesses across the country. The striking fact revealed by this study is that there are no reliable cost estimates that could be widely used as guides to the development of such services in individual plants or areas now lacking them.

Obviously, costs are related to the size of the group receiving the service, to the nature and scope of the services, the method of providing the services, and the specific occupational health problems within the establishment. There is, however, an urgent need for well-planned cost-accounting studies that would provide practical guidelines for planning services of varying volume, scope, and content.

The same is true when we are faced with the question: Do industrial health services in small plants pay off? Here again, it is very difficult to get figures that provide clear-cut and reliable answers. In general, the difficulty stems from the fact that small firms seldom keep absenteeism records upon which to base estimates. Also, the majority of small-firm industrial health programs have been in operation for only a few years. In health work, it is necessary to follow the results of a program for a considerable time before a trend can be established. The human organism does not respond to the "play of the market" as quickly as does the sale of products. So, although one's sales chart may reveal day-by-day changes, the curve of sickness absenteeism, compensation costs, and so on will be slower.

In this area of need for sound cost-accounting and statistical studies related to occupational health services, I see an opportunity for American business to make an outstanding contribution to national health. If any institution in our national life has the special know-how, the personnel and facilities to do this job, it is American business. Government cannot and should not do it. Medical organizations cannot do it alone, but they can assist.

Business needs the co-operation of the medical and health professions in developing the kind of data requisite to studies related to occupational health, both in its medical and environmental aspects. In my opinion, we would see much more rapid progress in occupational health if business would more generally apply its special competence to the study of the economic and organizational aspects of occupational health.

The experience of individual businessmen in some small plant programs indicates the catalyzing value of management in occupational health. Their experience also shows that we can get some objective measurements of costs and results.

Mr. Ross Fraser, president of the Rome Cable Company in New York, for example, instituted a complete medical department in his medium sized plant in 1948. He has reported as follows on results in the three-year period, 1948-51: "In 1947 . . . the total man-days lost for all reasons exceeded 9,000. In the first half of 1948, this rate continued. In 1950, compared to the 1947 level, total absences have dropped by almost 50 per cent, with 10 to 15 per cent drop in man-days lost due to sickness. In 1947, we had almost 3,600 man-days lost on which we had no report as to reason, and many of which could probably have been classed as sickness. In 1950, the number (of unaccounted man-days lost) was less than one-quarter of that figure. Man-days lost

for occupational injuries were cut to less than one-third of the 1947 level."[2] Mr. Fraser also cited sharp reductions in sick and accident claims and a 43 per cent drop in the cost of compensation insurance.

In a seven-year period, Mr. Ellsworth S. Grant, vice president of industrial relations, of the Allen Manufacturing Company, Hartford, Connecticut, has reported a total reduction in absenteeism from 5.8 per cent to 1.8 per cent. Compensation premium rates were reduced in five years by 24 per cent, despite changes in the Connecticut Workmen's Compensation Act which would normally have led to higher costs. The Allen Company and several other small firms with in-plant health and safety programs have hung up records of more than 2,000,000 man-hours without a single lost-time accident.

These two examples of business experience with small plant health services undoubtedly could be duplicated many times—in this area as well as in other parts of the country. There seems to be no question as to the value of such services, even when objective measures of results are not available.

Management is concerned for the "intangible" as well as the tangible results. Quite rightly, businessmen are concerned with the practical problems of cost and measurable returns. But it is most heartening to hear the repeated assertion that: "Our employes like the service," or that "they are enthusiastic," or "feel that the physicians and nurses have a real interest in their health." One official reports: "The company's health and safety programs, together with group insurance, form a keystone of employe relations; these have contributed substantially to maintaining a high degree of both employe satisfaction and day-to-day employe efficiency."

In this great industrial area, as in others, the Chamber of Commerce, in co-operation with state and local medical societies, health agencies, medical schools, and other institutions, is making concerted efforts to stimulate occupational health services in small firms. It is, as I have said, a large order—and often an uphill battle. But, just as business can and should undertake the practical study of costs, so also the small firms can and should apply their skills in co-operative planning and operation to determine the most effective ways to organize the kind of occupational health service they want. Just as small firms throughout the country have learned the advantages of pooling for the procurement of basic raw materials, so joint planning and agreements might go far to extend the "procurement" of effective health services. I believe that health conferences such as this can provide the essential leadership for such planning and action.

A year or two ago, Dr. Ordway Tead, editor and director of Harper Brothers, came to Washington to conduct a seminar on executive leadership for a group of Public Health Service administrators. I would like to pass on to you his definition of the role of leaders: "Leaders are trying always to influence people, to get something done which needs doing, because the people have come to agree that it's worth doing and that they want to play ball, so to say."

That is a statement in plain terms. It strikes home. But it is deceptively simple, as you will realize when you think it over. For, as Dr. Tead went on to say, leaders are successful in getting the job done to the extent that they are able to involve all the skills and the loyalties and enthusiasms of the folks right down the line. In the promotion of occupational health, this means that the individual workers and their labor organizations, as well as top management and supervisory personnel must be involved in the plans and operation of the program.

Dr. Tead, like many other thoughtful leaders in industry, believes that it is one of the foremost challenges to our society to involve all the folks right down the line in the pursuit of constructive goals. In business, there are various names for this process: industrial relations, employe relations, executive leadership, and so on. Basically, it amounts to the application of sound psychological principles to personal relationships. It seems to me a sign of the times that this conference has stressed this element through the contributions of Mr. Morse, Dr. Hastings, Dr. Stone, and others. For like management and labor, the fields of medicine and public health have come to realize that good personal relationships are fundamental to individual health, happiness, and productivity.

Dr. Cameron, whom I quoted earlier, has estimated on the basis of limited studies in this country and in England, that about 30 per cent

(Continued on Page 335)

HEALTH SERVICE IN INDUSTRY—ROCK FOUNDATIONS

W. E. PARK, M.D.

Minneapolis, Minnesota

ANY BUILDING which is designed to carry a heavy weight of superstructure must have a firm foundation. There are five principal points where support must be sure, at the four corners and in the center.

In the industrial world there must be firm reasons for doing things, and foundations must be well laid. I shall mention five of the rock bottom supports upon which a stable health service may be built. Every one is essential. If any one of the five is missing, the project will not be completely successful and the structure may collapse altogether.

Management Support

First, we must have a progressive plant manager, who is completely sold on the project. He must believe that the health service is a sound business venture. In this respect he need not be in any doubt, for reports from many sources have proven the dollar value over and over again.

One of the first of these value surveys was conducted by Dr. Victor G. Heiser for the National Association of Manufacturers and reported by them in 1941.[1] In this survey all but five of 1,625 companies considered their medical programs paying propositions. The 1951 survey of the same Association gives a similar favorable report.

In 1952, Dr. Kenneth Peacock, in speaking at the Fall Personnel Conference of the American Management Association in New York City, gave before and after figures indicating significant universal profits averaging from $3.50 to $5.00 for every $1.00 spent on Medical Departments. These profits were brought about by such factors as 50 per cent reduction in compensation costs, 30 to 50 per cent reduction in turnover, 30 to 40 per cent reduction in absenteeism, 45 per cent reduction in accident frequency and 63 per cent reduction in occupational diseases.[8]

Because it pays for itself is not the only reason why management needs to give wholehearted support to the health service. There are other less tangible but equally important benefits—the impact on industrial relations;[5] the improvement in morale, company pride and loyalty; the conversion of better general health into better home and community living; to say nothing of the personal satisfaction to an employer.

It is not enough, however, for the plant manager to make funds available for development of a health service. He must be personally interested in its progress and accomplishments. He must give encouragement and inspiration, and be readily accessible, and responsive, when problems arise. He should give the medical director responsibility but not withhold the stimulus of periodic inquiry. The plant manager should acknowledge the superior judgment of the medical director in medical matters but be a tower of support to him in the area of administration.

A Place for "In-plant" Service

The second essential for a firm foundation is a suitable place to work. Every industrialist realizes the advantage of proper space, arrangement of machines and channeling of materials for production purposes, but few are competent to design a health service. Even so, how frequently the doctor or nurse is hired after the rooms have been built. I do not hesitate to say that every health service unit should be designed in consultation with an industrial physician or better still with the doctor who is going to work there. Even before the physical facilities are designed, the extent and limitations of the service should be established. Then the unit can be built to carry out those functions with due regard for later expansion of the service.

We are thinking, of course, of an "in-plant" service. That is, one in which the doctor goes to the plant on a part-time or full-time basis and does most of his industrial work there. In such a setup the physician is paid an adequate retainer fee, which is based on the time he needs to spend at the plant. He should receive no

Presented at the Upper Midwest Industrial Health Conference, Minneapolis, Minnesota, October 2, 1953.

Dr. Park is Industrial Health Physician, Minneapolis Health Department.

additional fee, per patient, which would tend to place him on a piecework basis.

I know this is contrary to the thinking of many part-time physicians or doctors on call, who think of industrial medicine as a supplement to their private practices. However, I believe the "in-plant" medical service principle is one of the basic foundations upon which genuine industrial medicine will be built. Is it not time we in the medical profession thought of our services as an essential element of industrial production and, therefore, subject to streamlining for that purpose? It is acknowledged that industry should pay the doctor a reasonable fee or salary for making a careful physical examination of an employe, but industry should not be saddled with the additional expense associated with sending an employe to a doctor's busy downtown office during the plant's working hours. The consequent disruption of production, coupled with the payment of unearned wages is far more costly than the doctor's fee.

I shall not attempt to describe a suitable "in-plant" work place. Suffice it to say, it must be large enough, with proper placement of rooms, quiet enough and private enough to serve its purpose.

Competent Staff

The third foundation stone of an industrial health service is a proper staff. This means a doctor and nurse specially trained and competent to do the job. It also means enough nurses and enough doctor's time to accomplish the purposes and services being undertaken. It should be remembered that the more complete the service the more effective it is. Also as effectiveness is increased, the cost in terms of results goes down.

Training in occupational medicine and industrial nursing is now available as postgraduate courses in some universities. Applicants holding such university degrees have a tremendous advantage over ordinary medical and nursing school graduates. But more than academic training is needed. There is no substitute for experience in a properly conceived and well-operated health service.

One of the musts for a good health service is proper medical supervision. A fundamental concept of a nurse's training is to make her a part of a specialized team, not an individualist. Why then should we expect a nurse to work alone in industry? Every industrialist should realize that it is false economy to hire a nurse and not at least a part-time physician to work with her. And I don't mean a "doctor on call" arrangement.[3] By a "doctor on call" we mean a physician who has consented to respond in case of emergency and advise the nurse when called upon. He, of course, does not get paid for supervising the nurse. The doctor on call has no authority and little influence at the plant. He is not a part of the in-plant team. Only indirectly does he contribute anything to the preventive health program, for instance, through preplacement physical examinations.

The treatment of patients is an important and necessary function of industrial medicine which the "doctor on call" may do very well, but it should be realized that he, like other outside practitioners, stands in the salvage department and not in the production line where the industrial physician belongs.

One thing of paramount importance in an industrial physician or nurse is interest in the work. You can't make an industrial nurse out of a girl who takes a job only to carry her through a few months while she is waiting to get married. The doctor or nurse who will make a success of the industrial health field is the one who sees in it everything he wants in a full and satisfying career.

A Planned Program

The fourth necessary support for a successful industrial health service is a carefully planned program. It is not enough to hire a nurse, give her a first aid station, and tell her to go to work. If she is a nurse, right out of a training school, she won't know what to do. If you are the average employer or personnel director, you won't know what she should do either.

Planning the scope and limitations of a program calls for many hours of discussion between health service staff and other plant personnel including labor representatives. Out of these discussions will grow the medical service procedures and company policies which will govern the service. The medical director should crystalize these procedures and policies by writing them out so that they may become a part of the plant manual.[6]

Of course, the medical service is going to render first aid to the injured. That may be all

management wants to undertake. If so, that is a major crippling decision. Under such a policy a nurse may make good window dressing but she is by no means necessary, because someone trained in first aid can do the job just as well. To put a nurse in such a straight jacket is to crush all her enthusiasm for industrial nursing.

A decision should be made as to where to draw the line in the treatment of non-occupational conditions. An industrial health service should not operate in competition with private practicing physicians. Nevertheless, one of the most important factors in absenteeism is non-occupational illness and no industry can afford to ignore it entirely.[4] The usual position taken, is, that the plant physician or nurse will provide dressings and treatments for non-occupational conditions of a minor nature which would not compel the patient to visit his own physician anyway. Such minor service, when available without cost at the plant, many times brings the workman to work when he would otherwise stay home. Another feature of advantage to both workmen and doctors is the early detection of more serious disease which is promptly referred to the private physician for treatment.

The purpose of physical examinations must be clarified. It should be thoroughly understood that the original physical examination will be used to determine the physical capacities of the applicants, with a view to proper placement, and not as a means of rejecting the handicapped or less fit.

How frequently should repeat physical examinations be performed? How much information will be made available to the workman's private physician? What records are necessary and where shall they be kept? How can medical confidences be maintained? How will the health service function in relation to the safety and personnel departments? How vigorously will the doctor and nurse push preventive activities and health education? Shall there be an attempt to enter into medical research or community health and recreational activities? These and many other questions enter into the planning of a health service.

One of the most useful and far-reaching functions of an industrial nurse is health counselling. But not every industrial nurse can do health counselling. It is a capacity which develops with experience and increasing maturity. It is a function which cannot be practiced at the outset but which the nurse may grow into as she becomes accepted and earns the confidence of the employes.

Planning the functions and scope of the health service, and limiting the areas of activity where necessary, is not easy, but it is an important foundation upon which to build. This is the cornerstone which adapts and individualizes the health service to the particular needs of an individual plant.

Proper Attitude

The fifth basic essential of a health service is a proper attitude. When I speak of attitude I mean the attitude of the health service, its medical director, its nursing staff, and behind that the attitude of the plant management.

The foremost proper attitude is the realization that the health service is there primarily for the benefit of the employe. It is his health that is first concern, and this should be a very personal concern. The workman who has acquired skill in the performance of his work is the company's most valuable asset and should be treated as such. Ralph M. Monk, Vice President of the Caterpillar Tractor Co., puts it this way: "The purpose of medical services in industry is not to make money but to make health. Any financial advantage is essentially a by-product and must always be recognized as such."[2]

When the health of the employe is placed first, it is only natural that the plant physician will discuss his findings with the employe and advise him to see his own private physician for treatment of correctable conditions. The employe on his part when he knows that the health service is for his benefit will feel free to use it for advice on medical matters or related problems which require a medical opinion.

It is easy to appreciate the reluctance of a workman to consult the plant physician if he thinks management will be informed of his impairments and his job security thereby threatened. This is a misconception which must be met and eliminated by honest and fair practices.

The relationship of the plant physician to his fellow private practitioners should be most cordial.[7] The plant physician should be constantly working closely with them. He should refer non-occupational conditions to the private physician,

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CARE OF HAND INJURIES

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"Next to the brain, the hand is the greatest asset to man and to it is due the development of man's handiwork."

IF ONE pauses and considers that quotation for a moment, he realizes the significance and the importance of the preservation or the restoration of the function of an injured hand.

Now, there are many types of injuries to the hand—from the burns, through the lacerations, the amputations, the crushing or squeezing injuries with or without laceration, avulsion or fractures, and finally the complicated compound injuries with lacerations involving tendons, nerves and compound fractures. Inasmuch as it would be impossible to discuss intelligently the care of all types of hand injuries in the alloted time, I am going to limit myself to the most common of all injuries, namely, the laceration, and the most common site, the palm or flexor surface. It is here where what appears to be a minor injury too often proves to be one of a major nature and there develops a loss in the function of a finger or fingers as a result of its improper recognition or handling.

The principal factor which determines the success or failure in the restoration of function of an injured hand is the degree and amount of scarring or fibrosis which results. The greater the degree of scarring and fibrosis, the more interference results in the delicate functioning mechanism of the hand and fingers, namely, the gliding of the tendons through their sheaths or tunnels, the strength of the intrinsic muscle, the flexibility of the joints or the elasticity of the joint capsules. The prevention, to as great a degree as possible, of the development of this fibrosis is one principal which is common to the care of all hand injuries. The extent or degree of development of the scarring and fibrosis is dependent upon many factors from the time of injury through the final stages of rehabilitation. The majority of these factors can be controlled by those involved in the care of the injured hand.

The amount of fibrosis development is dependent upon: first, the extent and severity of the injury; second, the degree of contamination; third, the degree of inflammatory reaction or actual infection which develops, fourth, the proper definitive surgical repair, and fifth, the proper postoperative care and rehabilitation. Obviously, the first two factors cannot be controlled except by safety measures which might prevent the more extensive injuries. The next three factors can be controlled, and their control involves all persons caring for the injured hand, from those giving first aid down through the surgeon and physical therapist.

Once the injury has occurred, the steps in the prevention of fibrosis begins, and it begins in the factory, the office, the store or home.

We will follow through the steps in the care of a laceration in the palm of the hand or finger. The first one to be involved usually will be a fellow worker or someone else in the home. The first step is to prevent further contamination of the wound. The wound is already contaminated by the cutting instrument and the dirt and bacteria on the hand. A dirty handkerchief from a pocket or some rags off a bench used in an attempt to control the bleeding or prevent blood from soiling one's clothing, the floor or rug, further contaminate the wound. Though lacerations of the hand bleed freely, they usually will not bleed to any serious extent until proper first aid can be reached in the plant or home. Let them bleed and let Nature do a little washing of its own until a proper first aid kit is brought to the patient, or the patient is brought to the first aid room. If one is near a water faucet, he should let the water run on the cut and wash away the blood from the hand. All plants or shops or offices which do not have medical departments or first aid rooms should have first aid kits. These kits should be large enough to have sufficient dressings, bandages and tape more than just three 2 x 2 inch squares of gauze, fifteen bandaids and a bottle of iodine or 2 per cent mercurochrome.

Let us assume that the patient is going to be attended by the company nurse, the first aid man or a fellow worker. The attendant may gain some information of the seriousness of the cut by

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asking the patient to move all fingers, to flex them and extend them completely, and by asking whether any of the fingers are numb. If the finger or fingers cannot be flexed or extended freely in all their joints by active voluntary movements of the patient within what limitations pain or soreness might cause, or if a finger, a part of a finger or several fingers feel numb or asleep to the patient, then we are dealing with a case which requires more definitive treatment than cleansing and bandaging at the plant by the first aid man, nurse or plant physician. Plans should be made for him to be sent to the company's surgeon or preferably his hospital. The first aid care at the plant or home for such a laceration should consist of those things which will lessen the possibility of scarring or fibrosis by preventing further contamination, the development of infection, and the adding of any further trauma, either chemical by irritating antiseptics, or mechanical by injudicious washing, scrubbing, probing or examining the wound. The wound should be covered by sterile dressing and sufficient dressing to absorb the bleeding and then wrapped with bandages snuggly, but not tightly. Usually, a good heavy dressing snuggly applied will control most hand or finger bleeding for the time being, until the patient can have more definite care by the surgeon.

I have not mentioned the use of an antiseptic, and for a purpose. Most antiseptics are fine for killing bacteria, but some of them are irritating to the tissues as well and will produce a tissue response that will increase the development of fibrosis. Especially, time-honored iodine, which even today is frequently dumped or poured on a laceration of a finger or hand, falls into this class. Therefore, if an antiseptic is to be used at all in these more serious lacerations, let it be applied to the finger or hand about the laceration, but not into it. Iodine should *not* be one of the antiseptics in the first aid kit.

The use of a tourniquet has not been mentioned, again with a purpose. A tourniquet is rarely, if ever, needed in lacerations of the hand in spite of what at first appears to be severe bleeding. In the majority of instances the tourniquet is not applied properly, so that usually the veins are shut off and prevent the return flow of the blood and the arteries are not completely shut off so that blood continues to be pumped into the hand or finger, and congestion and swelling develops with damaging of tissues which leads to further fibrosis. As long as we are talking about hands and not arms or legs, the tourniquet is not of special interest.

Now, with the first aid care completed, the hand or finger dressed with sterile and sufficient gauze and bandaged snuggly, the next step is to get the patient to the hospital without delay. An ambulance, siren, police escort or breaking of traffic laws are not necessary, but there should not be unnecessary delay as time is also a factor in our struggle to lessen the development of fibrosis. The longer the contaminants introduced into the wound are allowed to remain, the greater will be the chance of inflammatory reaction or actual infection in spite of our thorough cleansing, debridement and antibiotics.

On arrival at the hospital, the responsibility falls on the medical professional personnel, the emergency room nurse, the intern or resident, and the surgeon. Usually, much information can be gained by questioning the patient and having him move his fingers, if they are exposed, or exposing a part of them to be moved or tested for sensation without disturbing the dressing over the wound itself. If one is still not satisfied and wants to inspect the wound, the inspecting should be done with a sterile aseptic technique similar to that used in the operating room. A mask should be worn by the nurse or doctor. Sterile rubber gloves should be worn and the hand placed on a sterile towel or sheet as the dressing is opened. A sterile instrument should be used in inspecting the wound. One should avoid the excessive sponging of the wound in inspection and should attempt to control the bleeding by pressure proximal to the wound. Probing for tendon ends should not be done. Once it has been determined that tendon, nerves or other important structures have been damaged, the hand should again be dressed and bandaged and preparation made for the definitive surgical care in the operating room. If x-rays are thought advisable for foreign bodies or bony injuries they may be done through the bandaged hand.

It is now the surgeon's responsibility to see that there is no unnecessary delay in getting at the definitive surgery as the contaminants are still present in the wound. These are emergency cases and cannot be put off for hours or until the next morning. Many men feel that definite reparative surgery should not be carried out on the

finger after the injury is two hours old or in the hand after four hours. It is also his responsibility to see that the factors, which within his realm, lead to fibrosis are prevented or limited to the greatest degree possible. These factors are infection, additional surgical trauma, injury to or destruction of important structures, chemical irritants which increase tissue reaction, and the too early active movements of healing tissues. His control of the infection factor comes with the thorough cleansing and preparation of the hand and an efficient and thorough debridement. This thorough cleansing and preparation of the hand should be done under a tourniquet and an anesthetic, except some of the smaller lacerations of the fingers which are not too painful or bleeding too severely. I prefer a general anesthetic, even if it entails a stomach lavage in those persons who have recently eaten or drunk. Some men prefer a nerve block. The safest tourniquet is the pneumatic tourniquet or the simple blood pressure cuff. The arm should be elevated for about three minutes before the tourniquet is applied to empty as much as possible the veins of the hand. The cleansing or preparation of the hand should be done by a thorough washing of the hand and that part of the forearm necessary in the preparation, with soap and water, or as I now prefer, pH isoderm with G-11 or so-called pH isohex. Grease or oil may be first removed with ether. Then the hand and wound should be washed with pH isohex and water until as clean as possible without scrubbing or rubbing. This may take a considerable period of time but it is as important as the surgical repair which is to follow. In the cleansing, anything which would add additional mechanical trauma should be avoided as this will cause additional tissue reaction and eventually added fibrosis. For this reason, scrubbing with brushes or rubbing vigorously with coarse gauze should be avoided. The cleansing should be dependent upon the emulsifying action of the soap or detergent and the copious washing with water. What contaminants cannot be washed away can be removed in the debridement. After the cleansing, the hand may be prepared with an antiseptic but if an irritant or alcoholic antiseptic is used it should not be introduced into the wound itself. The antiseptic of choice after a hand has been prepared with pH isohex is aqueous solution of Zephiran or Phemoral. These do not interfere with the antiseptic effect of the pH isohex and can be introduced into the wound without an irritant effect.

Debridement of the wound again involves principles which tend to lessen the development of fibrosis. All contaminating material and devitalized tissue should be removed with the preservation of all viable tissue and the avoidance of injury to the important structures of the hand, and done with the least amount of surgical trauma. This is accomplished by sharp, careful dissection and a thorough knowledge of the anatomy of the hand with ability to recognize its vital structures, especially when under tourniquet.

The next responsibility of the surgeon is surgical repair. This consists of two things: choice of surgery and technical repair. The surgeon must decide which procedure will result in the least tissue reaction in healing and thus the least fibrosis and chances of adhesion or adherence. These procedures are the primary repair of the injured structures or the simple closure of the wound with a secondary repair at a later date. This is dependent upon the type of trauma, the loss of tissue or structures and the location of the trauma. Usually, the more severe the trauma of the injury or the greater the loss of tissue, the greater will be the reaction in healing and the likelihood of scarring and adherence of the primarily repaired structures whose gliding mechanism is all-important. Nerves may be, and should be, repaired primarily, and muscle bellies may be repaired. It is my feeling that tendons severed in the fingers are best repaired secondarily either by simple repair or tendon graft. Those in the hand may be repaired primarily or secondarily depending upon the extent of trauma and damage. Those in the wrist or above can be repaired primarily. When both the profundus and superficial flexor tendons are severed in the palm of the hand or at the base of the fingers the removal of the sublimus with repair of the profundus is preferred whether done primarily or secondarily, especially where the severance is at the same site or level.

In the technical repair of the injured hand the term atraumatic technique has come into use. This implies the careful and delicate handling of the tissues, the use of proper incision and exposures and the use of proper instruments and sutures. Careful and delicate handling of the tissue needs little explanation. It implies the avoidance of unnecessary sponging or rubbing of the tis-

sues, injudicious clamping, spreading of the tissues or continued probing for tendon ends. Incisions for exposure should parallel the flexion creases in the hand or fingers or be in the creases themselves. They should not be made to cross the flexion creases in the palm nor be in the midline of the fingers. These incisions may be made as extensions from the lacerations or be made, as oftentimes is advisable, as separate incisions away from the laceration itself. Frequently, there is less scar adhesions if the original laceration is closed primarily and the injured tendon exposed by an incision at a distance away from the tendon and by the raising of skin and subcutaneous tissue flaps. For exposure in the fingers themselves incisions should be made along the mid-lateral aspects. This position may be found by flexing the finger and placing a dot at the dorsal end of the flexion creases. On straightening the finger a longitudinal incision through these dots will be properly located and be midway between the palmar and dorsal digital vessels and nerve branches. Tendon sheaths and annular ligaments should be opened in this area along their lateral aspects close to the bone. Flaps on the fingers may be made by incisions in the flexion creases connected with the midlateral incisions.

The instruments used should fit the operation. They should be small, delicate and atraumatic instruments which will not crush or damage more tissue than is necessary. Mosquito forceps should be used for clamping; small delicate tissue forceps, small fine-pointed curved scissors with sharp and good cutting blades, small blunt or rake retractor and small sharp scalpel blades should be used.

The suture material should be that which will produce the least amount of tissue or foreign body reaction. It should be as small or fine as is consistant with what needs to be accomplished and minimum in amount. Silk, cotton, linen or wire may be used. My own preference for ligatures is silk about 4-0 to 6-0, and for the repair the technique of Bunnell with the use of fine stainless steel wire and pullout wire and approximating the tendon ends with two or three blood vessel silk right angle sutures. This technique may be used for lacerated tendons in the palm or, where I especially like it, within the tunnels of the fingers where Bunnell's technique of "suture at a distance" leaves a minimum of foreign material at the approximated tendon ends. Silk, cotton or linen may be used for the repair of the tendon but the maintaining of the repair at the approximation should not be dependent upon the strength, size or amount of material but upon the relief of tension by proper position, splinting and immobilization until sufficient healing strength has occurred. If these materials are used, they should be fine (about 6-0) and not crossed back and forth within the tendon, squeezing and devitalizing healthy tendon tissue. Each case with its individual problem dictates the suture or technique to be used. Usually, size 34 wire will suffice for finger tendons, with a slightly larger wire for the pull-out wire. I also prefer the use of wire for closure of tendon tunnels in the finger, using through-and-through mattress wire sutures tied over buttons on the dorsal aspect of the finger.

The repair, like the preparation and debridement, should be done under a tourniquet which is released just before closure so that the larger bleeding vessels may be identified and ligated. The tourniquet is then reapplied until after final closure and dressing. All severed nerves should be sought for and repaired in either the hand or fingers. After closure a sufficiently heavy dessing with snug even pressure should be applied, and the forearm, hand and fingers splinted, immobilizing the fingers and hand in the position of function. This position is similar to one the hand and fingers would assume if a baseball were held in the palm of the hand and the fingers grasped about it and with the wrist slightly dorsiflexed. The hand and forearm should be well elevated postoperatively and maintained that way for several days to reduce congestion to a minimum.

The surgeon's final responsibility is in the postoperative care and in the rehabilitation, and in this he is helped by the physical therapist and also the employer. The use of antibotics, tetanus antitoxin or toxoid is recommended postoperatively, but should never be relied upon to prevent or control infection as a substitute for the careful prevention of contamination, the thorough cleansing and debridement and meticulous aseptic surgical technique. The excellent work of M. L. Mason and H. S. Allen has shown us that in the healing of a repaired tendon the greatest strength and the least amount of fibrosis or scarring is attained when complete immobilization of the tendon is carried out for a period of three weeks. They have shown that in the healing of a tendon

three tissues are involved; namely, the tendon itself, the connective tissue in and on the surface of the tendon and the connective tissue surrounding the tendon. This healing begins in the connective tissue in and about the tendon ends with an exudative reaction and fibroblast formation to form a cuff about the tendon ends which is an actual enlargement or swelling. This is especially significant when repairs have been made within tunnels or tendon sheaths where the snugness produced by this swelling or cuff may interfere with the circulation of the tendon or lead to adherence of the tendon to the sheath or tunnel.

Mason and Allen have shown that the healing process passes through three stages of tissue reaction and three phases of tensile strength. The stages of tissue reaction are those of exudation and fibroblast formation, regeneration, and finally maturation which occurs between the nineteenth and twenty-first day. The tensile strength at the approximation diminishes rapidly, becoming its weakest at about the fifth postoperative day. There is then a gradual increase up to the sixteenth day, when it levels off into a plateau until the nineteenth day when it again passes into a phase of increasing strength. Mason and Allen have shown attempted movement or function of the tendon between the fifth and fourteenth day is likely to lead to separation, as well as increased tissue reaction. Also, function or active movement of the tendon after the fourteenth day will not only increase tensile strength but also tissue reaction. After the nineteenth to the twenty-first day, function will further increase tensile strength but with much less tissue reaction, as maturation has taken place, swelling has started to subside and connective tissue elements loosen.

Complete immobilization should be carried out for three weeks. At this time, guarded active movements are begun, with hot soaking of the hand and wearing of the splint at night. At the end of four weeks, active physical therapy is begun and the splint completely discarded. Here the physical therapist takes over. He must guard against too vigorous active and passive movements and massage which will produce swelling of the finger or joints with pain and soreness, and which will retard rather than hasten the return of the functional use of the hand. Finally, the employer may play his part in the rehabilitation of this person by co-operatinng in return of the patient to some form of work of which he is capable. This should be done both for the psychological effect and the fact that there is no better physical therapist than Mother Nature herself in the functional use of the hand.

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PREVENTION AS A GOAL OF INDUSTRIAL HEALTH SERVICES

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of sickness absenteeism is due to emotional disorders. We cannot ascribe a definite proportion of this loss of efficiency to interpersonal relationships in the individual's place of employment. There is good evidence, however, that the impact of modern industrial employment, plus the tensions created by personality conflicts on the job, contributes significantly to emotional and physical disorders among employes. A well-planned medical service, integrated with a safety program and good personnel practices, can do much to ease these tensions and to lessen the impact of the industrial environment.

Sixty-three million people—more than two-fifths of the American population—are engaged in earning a living. When we consider these figures, together with those related to absenteeism, compensation costs, and wage losses due to accidents and disease, we cannot but be impressed with the opportunity which employers and employes, physicians and health agencies, have to promote occupational health—especially in small firms. In so doing, they can make a tremendous contribution to the nation's productive capacity, as well as to its health and happiness.

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DIESEL ENGINE DERMATITIS CONTROL

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IN DISCUSSING the problems of dermatitis in industry, I believe it is well first to determine its relative position as a producer of disability to work. Perhaps a few statistics might serve to clarify this. In New York in 1950, 1½ per cent of the 112,000 cases compensated under the compensation laws of that state were dermatitis cases, and the average compensation paid was $281.00. In the same year in Illinois, less than 1 per cent of the more than 50,000 cases compensated were dermatitis cases, and the average compensation paid in each case was $147.00. The Industrial Commission of the State of Minnesota has advised me that for the years 1948, 1950, and 1952, dermatitis cases represented 2 per cent of the total compensation load.

Thus we see that in our two largest industrial states and in our own state, dermatitis is a relatively minor contributor to the total industrial disability picture. It is, however, the most disabling industrial disease, accounting for 60 per cent of the time lost from work on account of disease.

Though it is difficult to secure comprehensive figures that cover the year by year incident of industrial dermatitis, studies that have been made seem to indicate that larger industries have improved their ability to deal with this problem, with a corresponding decreasing incident, whereas in smaller industries, the incident is somewhat on the increase.

With respect to the railroad industry, from all statistics that are available, it would appear that prior to the advent of the diesel locomotive the incident of occupational dermatitis was so low as to be a negligible factor, and it was not until the diesel locomotive came into extensive use that it assumed any proportions. However, with those railroads that went into an extensive dieselization program during and immediately following the war, the number of occupational dermatitis cases climbed quite markedly. This increase was due, of course, to the tremendous increase in the use of petroleum products and derivatives incidental to the operation and maintenance of the diesel locomotive.

In co-operation with the Association of American Railroads, the petroleum producers, and the manufacturers of cleaners and solvents, the railroad industry generally launched a concerted drive to overcome and, if possible, to eliminate this problem.

At the outset of our studies certain fundamental facts became evident. These in the order of their relative importance might be listed as follows:

It became readily apparent that the petroleum products and their derivatives used to fuel and lubricate diesel locomotives, the chromate compounds used in the cooling systems, and the carbon tetrachloride solutions used in the cleaning of certain parts were all basic irritants, which would produce skin irritation in most anyone exposed to their use for any great period of time, unless proper methods of protection and personal hygiene were followed.

From the information gathered, a planned program was established and carried out. First—we attempted to eliminate from use as many as possible of the irritants; second—we undertook to provide protection in all of our diesel facilities against those irritants we could not eliminate; third—we undertook to improve the washing facilities and to provide proper cleansing agents at all facilities, and, fourth, and most important, we undertook a program of educating our employes to the practice of proper personal hygiene.

It was, of course, impossible to eliminate the use of diesel fuel and we, therefore, improved the methods of servicing the diesels so as to eliminate individual contact and provided protective gloves, aprons, salves and ointments for those most exposed to its handling. In combination with the chemical industry, extensive tests were made to determine if less irritating water solvents than the chromates then in use could be provided, with the result we have now entirely eliminated the use of chromate solutions in our water system, substituting therefor, a non-

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irritating but mechanically less effective aluminum base preparation. We have likewise eliminated entirely the use of carbon tetrachloride as a cleansing agent for parts, despite the fact extensive tests have never developed one that was mechanically as effective.

The promiscuous use of protective creams and soaps was eliminated, in our efforts to provide the best protective ointments. We have tested many of them, using one type at one shop and others at other shops, and then by questionnaire and study determined from the users themselves which afforded the best protection. These tests and studies determined there was no one protective cream or ointment that would serve all, and since, to be successful, the program had to meet the needs of each individual, we finally settled upon a standard and now provide five different kinds of protective ointment.

Perhaps the most difficult part of the program was that of educating the men themselves to the fact that carbon tetrachloride, paint thinner, or diesel oil itself, were not the proper cleansers to use after a day's work. As with the protective ointments, we placed in use for test purposes a variety of cleansers with a view to determining the most effective. Here again the study was made with the view to provide the best protection to the individual, and based upon the findings as reported by the men themselves, we are now using two standard cleansers.

All of these studies were made under the supervision of the shop nurse.

As I stated, this program was conducted on an industry-wide basis, and the information gained from the various tests and trials was freely exchanged among the railroads, all benefiting from the experience of the others.

In addition to the above general program, on the Great Northern Railroad, we undertook to make a complete investigation of each case of dermatitis with the view of determining the extent of exposure, the sensitivity of the individual involved, and the desirability of attempting to change the person's type of work. From these studies, it became apparent that in the most stubborn cases, there was very frequently an allergy factor present which was either an underlying cause, or at least a deterrent to rapid and full recovery. We are, therefore, now on the lookout in the examinations of those applying for positions in our diesel facilities for any history of allergy.

Success in a program of this type requires the co-operation of everyone in carrying out the proper procedures; use of protective equipment, the observance of personal hygiene, and a very important factor, the recognizing of early symptoms. Here the shop nurse is of great importance. Co-operation is especially needed from the supervising official, chemists, the shop and roundhouse supervisors, and the safety supervisor and the shop foremen, who must establish regular inspection procedures to determine whether the program is being enforced. Of this group the key man, I believe, is the shop foreman, for it is he who must see to it that instructions on how to wash properly are carried out, that the men change frequently into clean working clothes, that unauthorized protective creams, ointments or soaps are not used, and the proper protective equipment is worn. The best program and plan at higher levels will produce nothing if the foremen do not see to it that it is carried out.

Evidence that our program has been effective, I believe, is the fact that occupational dermatitis on railroads is decreasing. As a matter of fact, the Great Northern Railway Company, though it employs 7,500 men in its shops, roundhouses and stores, does not, at the present time, have one case of hospitalized dermatitis, and only two cases of occupational dermatitis that are keeping the men from work. We are, however, not complacent in our present situation, and we appreciate quite fully that continued success is to be maintained only through preserving and continuing to improve our program. Although we are pleased with the progress we have made, we have attempted to remain ever mindful of the fact that even one case of dermatitis represents a problem to the man afflicted, for whom it is little solace to know he may be the only case out of several thousand employes. When the employe involved is a young man with relatively little seniority, we have normally been able to change him to work that eliminates any exposure without affecting his earnings. However, with the older employes whose seniority has entitled them to preferential jobs and pay, the problem is more acute and not easily solved. We have, however, sought in each such case a satisfactory workable solution.

The job of determining whether or not the exposure was due to carelessness is that of the employer. However, only the examining dermatologist can properly state whether or not the condition is due in any degree to underlying allergy factors. I would suggest that the examining dermatologist take a careful medical history in each case with the view of assisting in determining the extent to which this last factor is present. He should also guard against a tendency to assume that employment in a diesel shop or as an engineman on a diesel locomotive automatically constitutes causating exposure, for, as a matter of fact, at the present time, such is frequently not the case. Perhaps the outstanding proof of the fact that working with petroleum products does of itself constitute dangerous exposure is found in the petroleum industry itself, for it has for many years had one of the lowest incidents of occupational dermatitis among all industrial groups. Here again a carefully taken history will assist the employer in evaluating the case.

I have stated the problem as it relates to the railroad industry because of my limited experience, rather than because of any feeling that we have discovered something new about the control of dermatitis, or that we have had unusual success. To the contrary, all of our plans have been based on work done by dermatologists and other industries years before we became concerned. One of many outstanding examples is the Allis-Chalmers Manufacturing Company of Milwaukee, Wisconsin, who, as early as 1943, undertook a concerted program of occupational dermatitis control and prevention. This program has resulted in a 74 per cent decrease in the incident of dermatitis and a reduction from 10.3 to 2.7 in the number of cases per million manhours of exposure. It is estimated that in two years alone this program effected a saving of over $18,000 in medical and compensation cost.

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HEALTH SERVICE IN INDUSTRY

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of the workman's choice, as naturally as he would to another member of his own clinic. The private physician, on his part, should welcome the inquiries of the plant physician as to the progress of an employe-patient and co-operate by getting him back to work, under the watchful eye of the plant physician, as early as possible.

The attitude of the plant physician should be neutral to both management and labor on matters which are not concerned with health. Where the medical director's professional opinion is required, it should be honest, scientifically sound and based entirely on the medical merits of the case, even though it means a clash with management or labor or both.

Summary

In this discussion I have mentioned five of the foundation stones which are essential if a health service is to succeed. They are:

1. An enlightened, interested and responsive plant manager.
2. A place to work, in the plant, which has been planned and built for the purpose.
3. A qualified and enthusiastic staff, consisting of at least a part-time medical director and a nurse.
4. A well-planned program, which is tailored for the plant served, and written into the plant manual.
5. An attitude of service which places the health of the employe first and maintains a cordial and co-operative relationship with management, labor and fellow practitioners. An attitude of fairness and professional practice which upholds the best in professional ethics and the genuine application of the Golden Rule.

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ABSENTEEISM

LOUIS E. NEWMAN
New York, New York

A STORY is told about a sturdy operator of a drop forge hammer in our Lynn plant. One morning his wife appeared at the plant gate to explain her husband's rare absence. She said, in her broken English, "My husband, Joe, can't work today. He was up all night. He couldn't sleep, because, you see, I had a baby last night!"

Any study of absenteeism shows up answers just as surprising as this one. For, more often than not, the people with the best reasons for being absent find a way to get to work—and those with much less reason for absence sometimes fail to come to work. The apparently obvious answers are often not the right ones.

When I first entered the field of industrial health I found a lot of "pat" answers, especially in the field of absenteeism. Answers like—*absenteeism is caused by the absentee-prone. If you weed out the absent-prone you solve your problem.*

By "absent-prone" employe is usually meant an employe who will be among those most frequently absent regardless of the work he does. If there are such employes then it follows that similar proportions of them should be found in large work groups selected at random. It should also follow that the absenteeism statistics should be about the same in similar work groups, if they are of sufficient size to make significant comparisons.

Some of our large plants provide good groups for such a comparison. They have about 2,000 employes in each group; the groups are determined by "the luck of the draw" through a common employment office; the percentage male and female is about the same; the work is similar; *but the absenteeism* rate of one may be double that of its neighbor.

In at least one study made by another company when the so-called absent-prone were removed another group took their place. Also, most of us have seen an "absent-prone" employe change to a normal employe when his home situation was corrected, or his work was changed, or he got a new boss. So it seems unlikely that rooting out "absent-prone" employes will solve the problem.

The second "pat" answer was that *absenteeism among hourly workers doesn't cost anything—that the ones absent are the only ones to lose.*

In fact, one of our manufacturing managers told me that the ones we should go after were the salaried workers, that he had "automatic controls" on the hourly workers by which if they didn't come in they didn't get paid.

He had not faced the fact that when the hourly worker is absent the company had these losses:

1. Extra people on the payroll to take the place of those absent.
2. Idle machinery and unused investment when workers unexpectedly fail to come to work.
3. Disrupted schedules with inconvenienced customers.
4. Higher inventory caused by delay in shipment.
5. Spoilage from substitute workers having to do jobs for which they were not trained.
6. Overtime premiums paid to make up for lost time.

In the case of General Electric our absenteeism the first nine months of this year will average about 5 per cent.* This means that for our billion dollar payroll our employes will not take home approximately fifty million dollars in pay that they would have taken home had they not been absent. It is likely that if we consider the losses to the Company from these absent people that for every dollar our employes failed to take home it costs us one or two dollars additional. These are losses, then, to the employe, to the community, and to the Company.

Instead of using a large company suppose we consider a plant with 300 employes. Such a plant would have an annual payroll of approximately a million dollars a year, so 5 per cent absenteeism would mean a loss of approximately fifty thousand dollars to the employes and between fifty and one hundred thousand dollars to the company. Not all of this can be saved, but some can—enough to much more than pay for the effort.

Presented at the Upper Midwest Industrial Health Conference, Minneapolis, Minnesota, October 2, 1953.

Mr. Newman is Manager of Health and Safety Services, General Electric Company.

*Absenteeism from all causes. It is hours not worked that were planned to be worked, divided by total hours planned to be worked.

The third "pat" answer was that *the way to attack absenteeism was to find out what caused it. That is, was it sickness, personal business; accident; death in the family; or what?*

Isn't it likely that in many cases these are simply *excuses* and not the *reasons* which might be "my job bores me stiff," "I hate the sight of my boss," "I don't think my work group likes me."

One study showed that absenteeism can be broadly classified as: (1) those chargeable to industrial accident or disease: less than 10 per cent; (2) respiratory infections, colds, grip, etc.: 45 per cent; (3) all other causes including personal business, death in the family, etc.: 45 per cent. So, if it is desirable to have some kind of a breakdown of the probable causes of absenteeism, these are probably fair enough.

One of our plants studying this problem concluded that the reasons for their high absenteeism was the fact that their employes traveled an average distance of twelve and a half miles to the plant.

If this were a significant cause of absenteeism then it might be expected that the group of employes journeying over forty miles each day to come to work in this plant would have a much higher absence rate than the group of employes living within a mile of the plant. But a detailed check showed that the employes coming from a long distance had attendance records as good, or better than the employes who lived close to the plant. Absenteeism was more closely tied to motivation than to distance.

The Survey Research Center of the University of Michigan has studied for Detroit Edison Company "What Makes People Absent." They conclude that:

(a) Regardless of the kind of worker, the treatment accorded him will raise or lower his rate of absenteeism,

(b) Doubt is cast that responsible employes come to work regularly and irresponsible ones do not,

(c) Absences both among white collar and blue collar workers are primarily related to *supervision, work associates, job status, and satisfaction.*

You may be surprised to note that no mention of industrial medicine is mentioned as an absenteeism control. Which brings me to the fourth "pat" answer; that *the industrial nurse and doctor can be a prime factor in absenteeism control.*

If a fine modern industrial dispensary staffed with competent doctors and nurses can be a *prime factor* in absenteeism control, why is it that there are such large variances between different departments within the same plant? For example, in one of our typical large plants absenteeism for the third quarter of 1953 was:

			Absenteeism —Male
Department	A	(over 2,000 employes)	2.7
"	B	" " "	3.7
"	C	" " "	5.5
"	D	" " "	6.8

Each department is equally served by the medical unit; all employes are doing work of a generally similar nature; but, the absenteeism in one department is more than double that of the best of other departments. So it would seem that we should look elsewhere for the major control factor in absenteeism.

If the industrial nurse and doctor are not *prime factors* in control of absenteeism what part do they play? Perhaps one of their most important roles is to show by their treatment of employes that management has a sincere interest in the welfare of employes. This fits in with the modern concept of the industrial doctor being primarily concerned with keeping well people well, rather than simply healing the sick and injured.

There are other things, too, that can be done by the industrial doctor and nurse to lessen absenteeism, but it is doubtful if these will have sufficient influence to be classed as prime factors in control. Some of these are:

1. Good employe placement based on the pre-placement physical examination.
2. Re-location of employes based on periodic physical re-examinations.
3. Special handling of problem cases, including the alcoholic, and those troubled mentally.
4. Rehabilitation programs for employes working at less than capability.

Important as are these and other services performed in the field of industrial medicine, the big area for reducing absenteeism seems to lie more nearly within the control of the employes' own supervisor.

Other comparisons were made to see how absenteeism was related to industry, plant location, size of town, and other factors. But, in each case no simple cause was found to be the answer. One plant, for example, with several thousand

employes in one of its Departments had an absenteeism in January of this year of about 8½ per cent. I called the Plant Manager and he said, "Lou, you must remember that this town has pretty rugged winters and the absenteeism figure of 8½ per cent was measured during a single week when we had one of our worst blizzards."

I agreed that that was the probable excuse given for the absenteeism but found it hard to understand why in another Department, employing 4,000 employes in the *same plant,* that during the same week their measured absenteeism was a little over 4 per cent!

What, then, are the factors that effect absenteeism? Well, these things can be said:

Absenteeism gets worse
with the winter months
with a higher proportion of female employes
with high levels of employment
with prosperous working conditions
with conflicts in the work group

Absenteeism improves
with good supervision
with adequate controls
with interesting work
with high "sense of participation" of each employe

Oddly enough, absenteeism seems to improve with some layoffs. The layoffs may increase the turnover rate but drop the absenteeism rate. Probably the reason for this is that employes are afraid they'll be laid off so they either come to work regularly or get another job.

Here are three things that can be done to control absenteeism that are effective and low in cost.

1. *Measure absenteeism, and classify it by foremen.*

In order for management to be able to applaud a good job and criticize a bad job, yardsticks of attendance must be set up. One of the best of these is a report issued monthly, or quarterly, comparing the male and female absenteeism within each foreman's work group with that of each of the other foreman's groups. This report should list each foreman and copies of the report should be sent to every foreman so they can see how they compare with each other.

It is not uncommon to find, when such a report is started, then even though the plant absenteeism averages, say 5 per cent, that it includes foremen who have had groups running under 2 per cent for years, and perhaps one group that has been running over 15 per cent—also for years! But the foremen thought nobody cared about regular attendance; at least not enough to pat him on the back for a good job of getting his people to come to work.

When the report is issued for the first time foremen with poor absenteeism reports are likely to come anxiously into the General Foremans' office with questions about the new report. They will have comments like:

"This is the first time I ever heard that I was responsible for getting my people to come to work!" or

"My record is bad because of those two alcoholics I've got—but they are good mechanics when they're here," or

"My best drill press operator has a farm, and this is his busiest time."

Remarks made by the foremen usually emphasize the fact that they are not going to risk disfavor among their men by being critical of their attendance unless they are forced to it. They don't know how to answer replies like,

"Who's kicking—I'm the guy who don't get paid, ain't I?"

So it becomes important to get to the next step in absenteeism control.

2. *Teach the foreman how to encourage good attendance within his work group.*

One of the most effective things the foreman can do to encourage his employes to come to work regularly is to tell them "they are missed" as soon as they return from an absence. They should learn to greet the returning absentee with factual remarks like,

"Gosh, Joe, when you were out yesterday your machine stood idle all day long."

"You can't run a business with idle machinery," and

"We put Sally on your work yesterday and it was so new to her that she spoiled a lot of pieces. We certainly missed you," or

" . . . and as a result we'll be late in shipment."

In other words, *the emphasis should be put on the fact that the employe was missed, that he was needed on his job,* rather than probing for an excuse for the absence that often uncovers only a good "cock and bull" story.

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Laboratory Aids to Medical Practice

Sponsored by
The Minnesota Society of Clinical Pathologists

THE LABORATORY DIAGNOSIS OF PARATHYROID DISEASE

ELLIS S. BENSON, M.D.
Minneapolis, Minnesota

THE clinical manifestations of both hyperfunction and hypofunction of parathyroid glands are varied and frequently obscure, especially in the early phase. Since early diagnosis makes it possible to avoid debilitating and often irreversible complications, the diagnostic significance of chemical aberrations at a stage in the disease when the clinical manifestations are not outspoken is of utmost importance.

There is no uniform agreement at present regarding the site and mode of action of parathyroid hormone. Evidence suggesting action on bone and on kidney has been presented. Clearly, this hormone plays a major role in the control of calcium and phosphorus metabolism. Following the administration of purified extracts of the hormone four changes take place: (1) immediate, transitory increase in urinary excretion of phosphorus; (2) fall in the serum level of inorganic phosphorus; (3) an approximately simultaneous rise in the serum calcium level and (4) eventual increase in urinary excretion of calcium.

The biochemical abnormalities found in parathyroid disease are strictly in keeping with these hormonal effects. Thus, hyperparathyroidism causes increased calcium and decreased phosphorus in the serum and an increased urinary excretion of calcium. Conversely, hypoparathyroidism is accompanied by decreased serum calcium, increased serum inorganic phosphorus and decreased urinary calcium. No satisfactory method has been devised for the direct assay of the hormone in biologic fluids. Fortunately, then, the biochemical findings in these two conditions provide an indirect but reliable index of hormone function.

From the Laboratory Services, University Hospitals, University of Minnesota.

This is the fifteenth in a series of editorial reports sponsored by the Minnesota Society of Clinical Pathologists and designed to foster closer relationships between clinicians and pathologists.

Serum Calcium

In interpreting serum calcium findings in the light of parathyroid activity one must keep several considerations in mind:

1. The patient must be *fasting* (an overnight fast is sufficient).

2. The *age* of the patient may be a factor. The normal level of serum calcium in fasting adults has been found to be 10± 1 mg. per 100 cc. of serum so consistently that this may be regarded as a physical constant. Approximately 90 per cent of normal serum calcium levels in adults fall in the range of 9.5 to 10.5 mg. In the period of growth (sixteen years of age or less), the normal serum calcium is somewhat higher, namely 10.5± 1 mg. In infants less than one year of age, a range of 11.0± 1 mg. is considered normal.

3. *Multiple determinations* may be required to establish hypercalcemia in a given instance of hyperparathyroidism because isolated determinations of serum calcium may fall within the normal range.

4. The serum calcium level depends in part on *the concentration of serum protein.* Calcium exists in serum in three physical states which are in equilibrium. Approximately 95 per cent of it is distributed equally between a nondiffusible, nonionized complex with serum protein and diffusible calcium ions. An additional 5 per cent or less exists as diffusible, nonionized calcium citrate.

It has been conventional to consider that parathyroid hormone increased the concentration of ionized calcium and thus affected the level of total serum calcium. Therefore, it would be possible to find the combination of normal total serum calcium, low serum protein and increased ionized calcium in hyperparathyroidism. On the other

hand, hyperproteinemic conditions may be associated with increases in total serum calcium without increase in ionized calcium. This would not be consistent with hyperparathyroidism.

Recent studies cast doubt on these conventional views and indicate that the increase in diffusible calcium in hyperparathyroidism is purely a function of the increase in total serum calcium and has no differential diagnostic significance.

Hypoproteinemia generally is associated with hypocalcemia. In hypocalcemia secondary to hypoproteinemia, the diffusible calcium is normal; tetany and hypoparathyroidism are not present.

Serum Inorganic Phosphorus

The significance of decreased serum inorganic phosphorus in the diagnosis of hyperparathyroidism formerly was not fully appreciated probably because attention was focused on the deranged calcium metabolism and skeletal manifestations. More recently it has been realized that low serum phosphorus levels are more frequently found than elevated serum calcium levels. Moreover, the combination of low serum phosphorus and high serum calcium is sufficiently unique to be of great diagnostic significance. This combination has been found rarely in metastatic carcinoma involving bone but for the most part it serves to separate hyperparathyroidism from other bone diseases. Much the same may be said for the combination of low serum calcium and high serum phosphorus in hypoparathyroidism. An elevated serum phosphorus distinguishes this condition from diseases such as rickets, osteomalacia and idiopathic steatorrhea, which often are complicated by hypocalcemia and even tetany.

In general, normal values in adults range from 2.5 to 4.0 mg. per 100 cc., with approximately 90 per cent being 3.2± 0.5 mg. Children and infants have somewhat higher levels; 5.0± 0.5 mg. and 6.0± 0.5 mg. respectively are accepted normal ranges for these two groups. The fasting state is required in this determination.

In hyperparathyroidism the average decrease may be small. Variations occur from day to day. Multiple determinations may be required and the mean of these values used.

When renal insufficiency supervenes, as it may in hyperparathyroidism, the phosphorus levels in the serum may rise, obscuring the classic changes in phosphorus and calcium.

Urinary Calcium

Determinations of urinary calcium are frequently helpful in the diagnosis of parathyroid diseases. A simple qualitative test, such as the Sulkowitch technique, may be used advantageously as a screening test for abnormal excretion of calcium. The composition of the reagent follows: oxalic acid, 2.5 gm.; ammonium oxalate, 2.5 gm.; glacial acetic acid, 5 cc. and distilled water, q.s. ad 150 cc. Five cubic centimeters of reagent is added to 5 cc. of urine in a test tube. The tube is inverted and the results read as follows: 0 = no cloud in 2 minutes; + = fine cloud in more than 30 seconds; ++ = moderate cloud in more than 30 seconds; +++ = moderate cloud in less than 30 seconds and ++++ = curdlike cloud immediately.

The findings are roughly correlated with the level of serum calcium. A negative or low result tends to exclude hyperparathyroidism, except when renal insufficiency is present. A positive result usually excludes hypoparathyroidism. This test also may be of value in regulating the treatment of patients with hypoparathyroidism. Negative results suggest inadequate treatment, while +++ or ++++ results indicate overtreatment.

In hyperparathyroidism, it is frequently necessary to determine quantitatively the amount of calcium in the urine. In this case, the patient should be placed on a low calcium diet for five days. While on this diet it is important to eliminate extraneous sources of calcium, such as tap water and certain medications. During the last three days of the diet, all urine is collected in three twenty-four-hour aliquots and its calcium content is analyzed. Consistent values of 150 mg. a day or less are considered normal. Values of over 200 mg. a day are found in hyperparathyroidism. This finding may be of special value in establishing the diagnosis in cases in which the serum values are of borderline significance. On the other hand, supervening renal insufficiency in hyperparathyroidism may result in low urine values.

Alkaline Phosphatase

An elevated alkaline phosphatase is not a sign of hyperparathyroidism per se but of bone disease. For this reason it is of limited value in establish-

ing the diagnosis in this condition. It is elevated only in that minority of cases associated with actual skeletal involvement; a normal value most definitely does not exclude hyperparathyroidism. In hypoparathyroidism it is uniformly normal. It is well to remember that alkaline phosphatase is elevated in patients with regurgitation jaundice or hepatic metastatic tumors.

Comment

Initially, hyperparathyroidism was described almost exclusively on the basis of its skeletal manifestations. Chiefly through the efforts of Albright its renal manifestations gained emphasis. Its vague and varied symptomatology in the early stages makes it a disease in which a special search is required. The chemical findings are sufficiently characteristic to allow diagnosis in this early stage. The diagnosis should be considered and sought for in patients with:

1. Renal lithiasis. Approximately 5 per cent of patients with renal stones have hyperparathyroidism.

2. Nonspecific skeletal manifestations, such as generalized demineralization.

3. Vague gastrointestinal complaints not associated with definable gastrointestinal disease. Patients with complaints resembling those of peptic ulcer who fail to respond to or whose complaints are aggravated by conventional ulcer dietary regimens may have hyperparathyroidism.

Hypoparathyroidism also may have a vague and insidious course and be versatile in its manifestations. It should be suspected in patients with:

1. Frank tetany or its equivalents, such as paresthesias, numbness, muscle cramps and stridor.

2. Convulsive disorders.

Especially is this so if the patient has had a previous thyroidectomy or is in the first two decades of life. If in association with these neuromuscular disorders, poor dentition, cataracts or ectodermal dysplasias are found, hypoparathyroidism is especially likely. The diagnosis, once suspected, may be established with certainty through the characteristic chemical findings.

ABSENTEEISM

(Continued from Page 341)

3. *Hold the foreman accountable for the regular, on time, attendance of his employes.*

Getting people to come to work regularly is a personal thing best handled by the employe's own boss. Foremen are normally held accountable for control of cost, maintenance of quality, and adherence to production schedules. Regular, on time, attendance of each employe is essential to carry each of these responsibilities.

What is par for absenteeism? Probably about 3 per cent, made up of slightly more than 3 per cent for female and slightly less than 3 per cent for male.

Summary

Effective factors for controlling absenteeism are:

1. Supervisors who recognize their personal responsibility for regular attendance of their work groups.

2. Employes who have such a high regard for their supervisors that they are eager to give their full skill, care, and effort to their jobs.

3. Management who understand that when excess absenteeism is permitted it is like trying to carry profits in a leaking pail.

President's Letter

CHANGING TIMES

Simulating the ideal civilization, the practice of medicine is forever changing, continually improving itself, always making additions and corrections, although often cautious, which manifest themselves in benefits for all mankind.

Certain important changes and improvements have been made in the program of the annual meeting this year, which, it is hoped, will make a favorable impression on physicians attending.

Last month this letter carried a general preview of what doctors can expect to see and hear at the 101st convention in Duluth, June 7, 8, and 9. While it is true that the entire medical meeting is, in effect, a postgraduate course for doctors, there are certain sections of it which should be emphasized, for they mark important changes in the usual format of the program. I would like to tell you about three of the new features of this year's meeting.

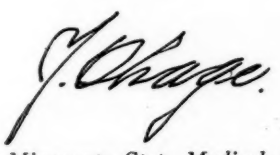
Of special interest to the general practitioner are the two consultation booths, which will be among the scientific exhibits on the convention floor.

One, the Orthopaedic X-Ray Consultation Booth, is sponsored by the Orthopaedic Department of the Medical School at the University of Minnesota. Any problems with fractures or other orthopaedic conditions which members or guests wish to bring in and which can be illustrated by accompanying radiographs, will be discussed by the attending consultants.

The other is an Obstetric-Gynecological Consultation Clinic, sponsored by the Association's Committee on Maternal Health and the Minnesota Department of Health. Consultants will be on duty for fifteen-minute individual discussions of current obstetric and gynecologic problems. Two guest speakers, plus several Minnesota physicians, will staff the booth daily.

The other new scientific feature is scheduled for the Wednesday afternoon general session. The entire afternoon program will be devoted to "What's New?" and will present discussions of what's new in medicine, surgery, radiology, pediatrics, obstetrics and gynecology. Department heads of the University of Minnesota medical school will discuss what's new in each of the above fields of medical practice.

These new programs and policies of the 101st annual meeting indicate a growing and healthy organization—and certainly doctors should be intensely interested in keeping their own organization in the healthiest condition possible. Keeping in tune with the changing times, innovations of this type are certain to bring about a bigger and better convention for 1954.



President, Minnesota State Medical Association

Editorial

ARTHUR H. WELLS, M.D., *Editor;* HENRY G. MOEHRING, M.D., and JOHN F. BRIGGS, M.D.

PSITTACOSIS

PSITTACOSIS as a disease in human beings is rarely diagnosed and reported. In 1953, an estimated 100 cases were reported in the entire United States, six cases in Minnesota. The clinical picture is one of fever, headache, early pneumonic involvement, moderate cough, marked prostration, delirium, slow pulse, leukopenia, and albuminuria. The cause of the disease is the psittacosis virus. A rising titer of complement-fixing antibodies to this virus during illness is significant, if accompanied by characteristic clinical symptoms. It is essential that at least two samples of serum or whole blood be submitted to the laboratory, the first during the first few days of illness, the second ten to fourteen days following the first. Early administration of antibiotics may prevent the development of complement-fixing antibodies. There are antigenic relationships between members of the lymphogranuloma and the psittacosis group of viruses.

Psittacosis undoubtedly would be discovered more frequently, if suitable laboratory studies were made more frequently. In the laboratories of the State Board of Health, blood specimens submitted from cases of virus or atypical pneumonia with the request for titration of cold hemagglutinins have been routinely tested also for the presence of psittacosis complement-fixing antibodies. A number of such specimens have been found positive for psittacosis, and clinical symptoms have supported this diagnosis.

Psittacosis became of public health importance during the depression years of the thirties when numerous cases, many fatal, occurred in persons exposed to love birds recently imported from tropical countries, and given away as prizes by carnival companies. Following this experience, practically all states adopted strict regulations forbidding any traffic in psittacine birds, and such birds were generally considered serious health hazards.

More recently the virus causing the disease has been demonstrated in a much broader host reservoir among birds, and psittacosis in man has been traced to turkeys, ducks, chickens, pigeons, and pheasants. Sea gulls and petrels have also been found to be infected. The term ornithosis, frequently used interchangeably with psittacosis, is perhaps a better descriptive title for the disease in light of these facts. In some cases of atypical pneumonia with positive laboratory findings for psittacosis, no association with birds can be determined.

The disease is commonly transmitted to man through contact with an infected bird or the bird's recent surroundings. Occasionally, contact with a human case is responsible for transmission, especially if the patient is coughing. Sick birds are highly infectious, and the birds apparently well occasionally transmit the disease. The disease is more severe in older age groups, and death seldom occurs in persons younger than thirty years. Penicillin and broad spectrum antibiotics are fairly effective in treatment of most cases.

In recent years the practice of keeping psittacine birds as household pets has increased tremendously, and people everywhere are breeding and distributing birds. The impossibility of preventing traffic in such pets, and the fact that human cases were being traced to other types of birds has led most states, including Minnesota in 1952, to rescind the regulations outlawing psittacine birds, and to put more effort into publicizing the hazards and suggesting common-sense methods of avoiding infection. Thus, there is a special danger in making house pets of recently imported psittacine birds or when there is doubt as to recent contact with other and especially with sick birds. Birds should be purchased only from reliable dealers. Shipment of birds from outside the United States is prohibited, and any birds smuggled or bootlegged into this country should be considered as a dangerous potential source of psittacosis. The common practice of permitting such pets to take food from the owner's mouth invites infection, as does any intimate handling of the birds. Pet shops and homes that have harbored infected birds

should be thoroughly cleaned before any new birds are distributed from them, and it is good practice to keep new shipments of birds isolated in quarantine for thirty days to eliminate sick individuals. This does not guarantee that the remaining birds are free of infection, but it is helpful.

D. S. FLEMING

MALPRACTICE INSURANCE AND ITS COST

YOUR malpractice insurance premiums have been increased. You probably wonder why. You may have a general idea, but have given no serious consideration to the problem facing the medical profession or the insurance companies. Whatever has been your attitude or your interest, the situation is extremely unfavorable and deserves your immediate attention.

Ignorance on the part of members of the medical profession about this important subject is disturbingly evident in spite of effort of insurance companies to bring the matter to their attention. It is also evident that there is a lack of understanding in what the insurance does for the profession as a whole, or how it protects against ruinous losses unless physicians, as individuals, are faced with such a claim or suit. Many have no idea how the rates (premiums) are promulgated. Few understand that the premiums must cover expenses as well as claims and, as a result, believe the insurance companies make fantastic profits. This belief is shared by the same people who believe that all doctors are rich. In the light of these misunderstandings, it is easy to understand why some people support legislative proposals to place automobile liability insurance, workmen's compensation, health insurance and other casualty insurance, under monopolistic state funds and governmental control. It also becomes easy to understand why juries hand out large awards today. Other contributing factors are: Judgments and expense items are paid in terms of inflated dollars. The juryman who pays $2,500 for a low priced automobile and $1.50 for a Blue Plate Special might not hesitate to award a large judgment in a malpractice suit.

The medical practice itself has not escaped social evolution. The personal relationship between the physician and the patient has practically disappeared. Individual practice has been replaced by group practice, clinic and partnership so that the patient does not—except on rare occasions—consult the same physician twice in succession. This may be good medicine, but it has certainly eliminated some of the warm, personal family physician relationship that once existed, plus the fact that the increased use of the hospital has taken an even larger segment of medical practice out of the home and office.

Claims originate in many and divers ways—physicians criticizing another's methods and treatment results, divulging facts about a case or ailment to others, improper diagnosis, improper treatment, and the ever-present fictitious case or hypothetical case.

The methods of correcting the situation are known. Everyone should ask these questions:

Do I follow the rules of my profession?

Do I follow honest and safe practices?

Do I realize that insurance companies are subject to the same economic pressures as my own?

Are claims morally and legally honest?

Are insurance costs in line with my own, considering current conditions, and not conditions of twenty years ago?

Have I opposed socialization of the insurance industry, as I have my own business, remembering when socialism gets its foot in the door in one important branch of the free enterprise system, it will soon be in the door altogether?

In the answer to these questions, you will find the causes for the rising insurance rates.

DON C. HAWKINS
Insurance Representative

WORDS AND MEANINGS

NEW WORDS that precisely express a meaning hitherto ineffable are a delight. The exercising of such new words is healthy except when it results in painful repetition. Perhaps as pleasing as acquiring a new word for our working vocabulary is learning the original meaning of an old word or learning the meaning of a similar word in another language than English. Often such information is the means of understanding something that would otherwise have to be retained by brute memory. The abdominal, pancreatic complication of mumps ceased being mystifying, for example, after we recalled that the German word for pancreas was *Bauchspeicheldrüse,* the

abdominal salivary gland. The vague significance of malaise became less vague when our friends who fretted with beginning French reminded us that *malaise* meant "bad ease" and thus resembled ill at ease.

The sobriquets applied to members of one nation by peoples of another, usually born of the mingling of nationalities during wartime, are rich in friendly banter and good fellowship, if directed toward allied forces, and as rich in sarcastic deprecation, if directed toward the enemy. Thus, in the pidgin of the Far East, the English soldiers were known as *Assays* from their frequent "I say." The same English soldiery was called *Godon* by the French and *Gadan* by the Spanish, after one of their favorite curses. The Portugese named them *Camones* and the Italians made it *Caman* from their impatient, "Come on, come on!" Italians named German soldiers *Tertòifel* and *Tartàrfel* from their use of *"der Teufel."* Years earlier, the Milanese gave Austrian troops the name *Zuruc* because of their commands to crowds to back up, *"Zurück!"* This recital must be incomplete, but the term, *Damchee,* given to American troops, and finally to Americans in general, by the Indian troops associated with the VIII Army in North Africa, has too interesting an explanation to skip: whenever American soldiers made a purchase, the low price startled them into saying, "Damn cheap," while paying.

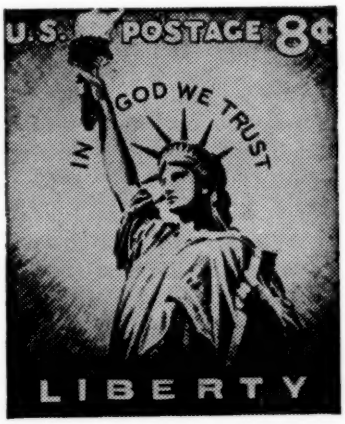
However, the imaginative, occasionally profound, insight some words and word-combinations allow give greater pleasure than these brief excursions into derivations of words. We are told about the language of the Guarani, the Phoenicians of South America, who live in the general area of Paraguay. Their language is essentially a primative one and almost solely a spoken one. It is rarely reduced to writing. The picturesque images drawn by the Guarani words brings the realization that artistry may be found in the everyday conversation of mankind, if the listener perceive the full import of the word combinations. The Guarani speaks not of a "kick" but of a *pï-voí:* the *pi* means foot, and the *vói,* fast or nimble. A kick thus becomes a fast-foot. *Tembé* means lip and *i* means water or a stream. What more logical than that *tembé-i* indicates the banks of a stream? Then in the subjective realm, *guazu* means large and *pïa,* stomach. The combination of the two, *pïa-guazu* adds up to big stomach and is used for courageous. Finally, this crowning jewel of understanding: the same *pia* (stomach) is coupled with *guapi* (seated) so that *pia-guapi* means tranquility. And for how many of our patients do we not wish tranquility via a well-seated stomach? H.G.M.

MINNESOTA MEDICINE—5c

A SURVEY of the past ten years indicates that MINNESOTA MEDICINE has cost members of the Minnesota State Medical Association less than five cents a copy during that period. Although two dollars has been allocated from annual dues as a subscription for the journal, all but about sixty cents has been returned to the treasury. The receipts from advertising, reprints, illustrations, and so forth make up the difference. In looking to the immediate future, with the increase in advertising reflected in the past nine months, it is possible that even a lower cost per copy may be achieved.

Your active support of our journal and its advertising benefits both science and organized medicine. If MINNESOTA MEDICINE is not what you need, your suggestions will receive careful consideration by the Board of Editors.

NEW STATUE OF LIBERTY STAMP



At the request of thousands of persons, the Post Office has issued a new stamp with a religious sentiment. The new stamp will be used primarily for international mail.

The Dean's Page

THE MEDICAL STUDENTS' ADVISORY COUNCIL

With increasing interest and pleasure, members of our faculty have watched the recent development of an effective, responsible *vox discipulorum,* the Medical Students' Advisory Council. The Council was organized about three years ago for the purpose of advancing "the interest and well being of all medical students and the University." It is made up of the class officers—president, vice president, and secretary—of each of the four classes in the Medical School. The Council in turn selects one member from the preceding year's Council who acts in an advisory capacity. The Dean and the Assistant Dean are also *ex officio* members of the Council.

The Council has concerned itself with a number of problems of interest to students and faculty alike. As one of its major projects, last spring it conducted a survey of student and faculty opinion concerning methods of examination of students, grading and ranking of students, periodic evaluation of the curriculum, and student-faculty relationships. The results of this survey were reported at the regular University Hospital Staff meeting on January 8 of this year and appear in some detail in the Bulletin of that date.* In brief summary, students and faculty agreed on the desirability of some form of periodic evaluation of courses, and both groups indicated that they wanted more opportunities for informal student-faculty discussions. The students were in favor of a simple "pass or fail" grading system with class rank to be determined by a special comprehensive examination and perhaps also by special "honors" work. The majority of the faculty, on the other hand, did not favor such a separation of grading and ranking systems, but most faculty members thought that the grading system could be modified and improved. The students do not like the summer session which has been in effect for the freshman sophomore, and junior classes for the past three years. Faculty reaction on this question was mixed; some faculty members are uncertain of the value of the summer session.

As a result of the survey, the Council has presented to the Medical School Administration several recommendations concerning grading systems and the curriculum. These are now under consideration. The Council has also prepared a questionnaire for the evaluation by the students of the individual courses given in the freshman and sophomore years.

Two other Council projects are worthy of special comment. Members of the Council are co-operating with the Student Counseling Bureau in a plan whereby interested junior and senior medical students will assist in the advising of pre-medical students. The Council is also planning a Pre-Medical Day for the latter part of this month for all pre-medical students at the University and neighboring colleges and for members of next fall's freshman's class. This will provide a fine opportunity for prospective medical students to become acquainted with the Medical School and its faculty.

We believe that members of the Council are to be congratulated for the careful consideration they have given to a number of important problems. I am sure that they do not expect that their suggestions will always result in immediate action. Their recommendations, however, will always be thoughtfully weighed by the administration. New ideas with merit are always welcome whether they originate with students, faculty, or persons unassociated with the Medical School.

HAROLD S. DIEHL, M.D.
Dean of the Medical Sciences
University of Minnesota

*Proehl, Elsa; Feller, William; and Rosenholz, Mitchell: Medical Education at Minnesota. A Survey of Opinion by Medical Students in 1953. Bull. U. Minnesota Hosp. & Minn. Med. Found., 25:216, Jan. 8, 1954.

Medical Economics

Edited by the Committee on Medical Economics
of the
Minnesota State Medical Association
George Earl, M.D., Chairman

RUSSIA'S STATE MEDICINE NOTED IN ARTICLE

Surprising and interesting facts are presented on the status of medicine in the USSR in an article carried in a recent issue of the *Journal of the Indian Medical Association.* The article, entitled, "Medicine and Public Health in USSR" was written by A. C. Ukil, of Calcutta, India, and is based on a visit to Russia as a member of a Scientific Delegation from India in 1951.

The article shows, of course, a very decided pro-Russian slant, in view of the geographical and political proximity of the two countries. A sanctioning of the principle of state medicine is evidenced throughout the writing.

The article is of vital interest to American physicians, as it presents a completely pro-Russian, yet factual, view of medicine and public health in the Soviet Union. The author introduces the article with:

"In understanding the progress in Russia, one has to remember Russia's technological backwardness at the time of the Revolution (1917). Knowing that science has developed more rapidly than society's adjustment to the new conditions created by it, the authors of the Marxist Revolution wanted to make a gigantic effort, by forced marches through successive 5-year plans since 1928, to apply the principles of science to the basic process of life, to production, distribution and consumption in the whole of the Soviet Union. They wanted to banish these by the creation of a Socialist State."

Education—A State Plan

The article describes medical education in Russia in considerable detail, noting,

"During the first 5-year Plan (1928-32), only 14 medical colleges were opened. Now, there are 73 medical colleges turning out 18,000 medical graduates every year. There is no unemployment. As soon as they pass out, they are immediately offered posts, according to the requirements of the Master-Plan of the country. Stipend-holding medical students, when they pass out, are required to work in rural areas for 3 years. After receiving a broad-based experience there, they are transferred to urban areas or to research institutes as desired by them. The vistas of progress are open to everybody and the social conditions created encourage it."

The scientific delegation visited two medical colleges in Russia, the Second Medical Institute in Moscow and the Medical Institute at Alma Ata. According to the article, the Second Medical Institute at Moscow admits 600 students every year and the total number of students is 4,000. The institution has, attached to it, twelve hospitals with 5,000 beds. Five to seven beds are allocated to each student during "interim" training.

Health—Duty of State

In Russia, the health of the populace is the duty of the state, the article notes:

"According to Article 120 of the constitution, citizens of the USSR have the right to maintenance in old age and also in case of sickness or disability. This right is ensured by the extensive development of social insurance of factory and office workers at State expense, free medical service for the working people and the provision of a wide network of health resorts for the use of the working people (accommodating 500,000 workers at a time during vacations, with full pay)."

The article continues:

"The State has also taken over the production of medicaments and their supply to the population. All medical care is free and available to all, regardless of the patient's resources. The State's aim is not merely to cure disease but to prevent it, by creating such living and working conditions as would make the occurrence of disease rare."

Medical Service in Russia

In 1913, according to the same article, there were only 20,000 qualified doctors in Russia. Today, there are 220,000 doctors only under the Ministry of Health, excluding a large number in Railways, industry, et cetera.

Medical and health service throughout Russia are based on a decree issued by Lenin in 1918:

"(1) To carry through resolutely extensive sanitary measures in the interests of the working people, such as (a) improvement of health conditions in populated places (protection of soil, water and air from pollution), (b) organization of public catering on a scientific and hygienic basis, (c) launching of measures to prevent the outbreak and spread of infectious diseases, and (d) creating a code of health legislation; (2) to combat social diseases, such as tuberculosis, venereal diseases, alcoholism, etc.; (3) To make competent medical and pharmaceutical services available to all free of charge."

Distribution Noted

According to Ukil's article, there is, at present, one doctor for 800 people in urban industrial areas and one doctor for 1,000 people in rural areas. There are 10.5 beds per 1,000 people. This ratio prevails all over the union, the article states. Further:

"With the larger output of doctors as time passes on, this ratio will be further reduced. No doctor, when he passes out, is unemployed. Private practice being practically *nil,* doctors devote their whole attention to the curative, preventive and educative work of raising the health status of the people."

Mass Production Health

In describing medical service in urban and industrial areas, a city is divided into several zones, districts or boroughs, with a district hospital serving about 40,000 to 50,000 people. The article describes the hospital set-up, and it is interesting to note how intricately organized and integrated the political and medical facets are:

"In each hospital there is a *Board of Medical Control,* consisting of the senior staff, who analyse all cases staying in the hospital for longer than 10 days. . . . In case of urgent surgical or emergency cases the patient first informs the Polyclinic, which immediately informs the Central Emergency Station which must make arrangements to take the case to the hospital, where a bed is vacant, within 20 minutes. The specialists immediately examine the patient and, if there is nothing to the contrary, the patient, in surgical cases, is operated within 15 minutes after arrival in hospital. If there is any violation of this, it is considered as neglect and the Town Council is likely to discuss the matter and recommend necessary disciplinary or organizational steps. . . . The factory population get a health check-up twice a year, while the rest of the population get it once a year."

The article makes this conclusion:

"Thus the people participate in the health programme from the base to the apex of the health pyramid. Diagnostic and curative doctors and health personnel cooperate at all levels."

Thorough Social Insurance

Complete social insurance is existent in Russia also. It covers the following, noted in the article: (a) medical care, (b) benefits in case of temporary disabilities (sickness, accident, quarantine, pregnancy, childbirth and nursing a sick member of the family), (c) additional benefits for infants, funerals, et cetera, (d) unemployment benefits . . ., (e) invalidity pension, (f) old age pensions, (g) pension to families in case of death of breadwinner. "Social insurance benefits extend not only to the insured workers but also to their dependents."

Other matters are covered in detail in the article, such as the organization and structure of the Health Ministry, regional distribution of medical institutions, medical and health workers' trade union, the production of drugs and instruments, and health resorts and sanatoria.

The pro-Russian bias is seen throughout the article in such statements as: "cooperate fully with the State's efforts to improve health and to prevent diseases," and "in this way, modern scientific diagnosis and treatment are taken to the whole population." Organization of health and medical services in Russia is handled from the top down to the people, and of course, the top is the State, supreme in government and in governing individual rights of medical care of all people.

GERMANY SHOWS SURPLUS OF DOCTORS

According to a recent article in the *St. Paul Pioneer Press,* there is a surplus of 30,000 doctors in Germany. In West Germany, there are 4,543 doctors unemployed or dependent on odd jobs outside the profession. 18,000 doctors have all but deserted the medical field for other careers or are waiting for a chance to set up private practice; and there are 8,000 postgraduate medical students working without pay as interns.

The reason for the whole problem is the complicated traditional German system of public health insurance, including four out of five people in the country. According to the newspaper, "public health insurance in Germany is compulsory up to a monthly income of $100. Voluntary subscription is permitted over the $100 level." Physicians cannot depend on the two out of every 10 patients who can go to private doctors. They must try to become part of the public health insurance system, which is very difficult. The newspaper states:

(Continued on Page 366)

Minnesota State Medical Association

101st Annual Meeting

Duluth, Minnesota
June 7, 8 and 9, 1954

Program

BUSINESS SESSIONS

SATURDAY, JUNE 5

Hotel Duluth

2:00 P.M.—Council.....English Room
6:00 P.M.—Council.....English Room

SUNDAY, JUNE 6

Hotel Duluth

8:30 A.M.—Council.....English Room
10:00 A.M.—Reference Committees.....
Rooms to be assigned
2:00 P.M.—House of Delegates.....Ballroom
8:00 P.M.—House of Delegates.....Ballroom

MONDAY, JUNE 7

Hotel Duluth

8:30 A.M.—Council.....English Room
12:15 P.M.—House of Delegates.....Ballroom

TUESDAY, JUNE 8

Hotel Duluth

8:30 A.M.—Council.....English Room
8:30 A.M.—Committees..... Ballroom Floor

WEDNESDAY, JUNE 9

Hotel Duluth

8:30 A.M.—Council.....English Room
8:30 A.M.—Committees.....Ballroom Floor

SOCIAL EVENTS

SUNDAY, JUNE 6

Buffet Supper

American Medical Women's Association, Inc., Minnesota Chapter

6:30 P.M., Home of Elizabeth Bagley, M.D.
Open to all visiting women doctors. Dr. Marie Bepko will show colored slides from the Fourth Congress of the Pan-American Medical Women's meeting in New York City.

MONDAY, JUNE 7

Luncheons

Minnesota Chapter, American College of Chest Physicians

12:15 P.M., Parlor B. Hotel Duluth, tickets $2.00

Minnesota Medical Foundation

12:15 P.M., Arrowhead Room, Hotel Duluth, tickets $2.00

Speaker: CLARENCE DENNIS, M.D., New York

Dinners

Minnesota Academy of General Practice

6:00 P.M., Ballroom, Hotel Spalding

Open House, Minnesota State Medical Association

9:00 P.M., Ballroom, Hotel Duluth

Minnesota Radiological Society

6:00 P.M., Social Hour

7:00 P.M., Dinner

Speaker: PHILIP J. HODES, M.D., Philadelphia—"An Evaluation of Body Section Radiography"
Northland Country Club, 39th Avenue East and Superior Street. Tickets, $5.00. Reservations should be made with Dr. John R. McNutt, 824 Medical Arts Building, Duluth.

TUESDAY, JUNE 8

Breakfast

Former St. Mary's Interns Reunion

7:30 A.M., St. Mary's Hospital

Dinners

Minnesota Society of Clinical Pathologists

6:00 P.M., Annual Dinner and Business Meeting—Home of A. H. Wells, M.D.

Annual Banquet, Minnesota State Medical Association

7:00 P.M., Ballroom, Hotel Duluth

12:15 ROUND TABLES

Duluth and Spalding Hotels

MONDAY, JUNE 7

Anesthesia as a Maternal Mortality Factor
FREDERICK J. HOFMEISTER, Milwaukee, Wisconsin

TUESDAY, JUNE 8

Use of Tracheotomy in Chest Injuries
W. P. EDER, Minneapolis

Treatment of Burns in Children
TAGUE C. CHISHOLM, Minneapolis

Emergency Treatment of Nerve Injuries
ROBERT L. MERRICK, Saint Paul

Indications and Contraindications for the Use of the Hormones (ACTH and Cortisone) in Gastrointestinal Disorders
J. ARNOLD BARGEN, Rochester

Skin Manifestations in Systemic Disease
JOHN F. SCHMID, Duluth

Acute Urinary Obstruction in the Male
OTTO C. PHARES, Saint Cloud

Drugs in Peptic Ulcer
E. E. GAMBILL, Rochester

The Injured Hand
J. C. FEULING, Duluth

The Management of Small Bowel Obstructions
CLARENCE DENNIS, New York

Obstetric Hemorrhage as a Maternal Mortality Factor
CHARLES E. GALLOWAY, Evanston, Illinois

WEDNESDAY, JUNE 9

Diagnostic Difficulties in Carcinomas of the Lungs
F. F. CALLAHAN, Saint Paul

Evaluation of Operations for Peptic Ulcer
C. W. LILLEHEI, University of Minnesota

Relation of Blood Volume to Gastrointestinal Hemorrhage
J. E. TWOMEY, Minneapolis

Practical Application of Cytologic Technique for Malignancy
A. H. WELLS, Duluth

Anesthesia in Tonsillectomy
F. C. JACOBSON, Duluth

Functional Uterine Bleeding
R. F. STURLEY, Saint Paul

Treatment of Plantar Warts
R. W. GOLTZ, Minneapolis

Diagnosis and Treatment of Blood Dyscrasias
PAUL S. HAGEN, Saint Paul

Significance and Treatment of Lumpy or Discharging Breasts
A. R. CURRERI, Madison, Wisconsin

GENERAL SESSION

Duluth Armory

MONDAY, JUNE 7

A.M.

8:30 Visit Scientific and Technical Exhibits.... Armory

9:00 PANEL DISCUSSION ON THE TREATMENT OF HYPERTENSION
Moderator—R. M. SHICK, Rochester
HENRY A. SCHROEDER, Saint Louis, Missouri
A. C. CORCORAN, Cleveland, Ohio
JAMES H. CURRENS, Boston, Massachusetts
ROBERT W. HOLLENHORST, Rochester
Question and Answer Period

Intermission

10:15 Visit Scientific and Technical Exhibits.... Armory

11:00 Plastic Operations for Hydronephrosis
FREDERIC E. B. FOLEY, Saint Paul
Comments
ORMOND S. CULP, Rochester

11:40 Staphylococcal Sepsis; Control with Antibiotics
ROBERT I. WISE, Assistant Professor, Department of Medicine, University of Minnesota

P.M.

12:15 Miscellaneous Luncheons
Round-Table Luncheon

1:30 Visit Scientific and Technical Exhibits..Armory

2:00 Cancer of the Cervix
A. N. ARNESON, St. Louis, Missouri

2:30 RUSSELL D. CARMAN MEMORIAL LECTURE
Pitfalls in the Diagnosis of Pulmonary Diseases
PHILIP J. HODES, Professor of Radiology, School of Medicine, University of Pennsylvania, Philadelphia

Intermission

3:15 Visit Scientific and Technical Exhibits..Armory

4:00 SYMPOSIUM ON ANESTHESIOLOGY
Moderator—RALPH T. KNIGHT, Minneapolis
Hypotension During Surgery and the Immediate Postoperative Period
FERDINAND C. JACOBSON, Duluth
Cardiac Arrest During Anesthesia
JAMES H. MATTHEWS, Minneapolis
Will Analgesia Evolve from a Century of Anesthesia?
JOHN S. LUNDY, Rochester
Trichlorethylene—Its Possibilities for the General Practitioner
O. SIDNEY ORTH, Professor of Pharmacology, University of Wisconsin, Madison

5:00 Visit Scientific and Technical Exhibits..Armory

6:00 Special Dinners

9:00 Open House.....Hotel Duluth

GENERAL SESSION

Duluth Armory

TUESDAY, JUNE 8

A.M.

8:30 Visit Scientific and Technical Exhibits..Armory

9:00 SYMPOSIUM ON PROBLEMS ARISING IN THE CLINICAL USE OF CORTISONE, HYDROCORTISONE AND CORTICOTROPIN
Problems Arising in the Treatment of Adrenal Insufficiency
EDMUND B. FLINK, Minneapolis, Moderator
Untoward Effects Upon the Gastrointestinal Tract
ERIC E. WOLLAEGER, Rochester
The Use, Abuse and Limitations of Steroid Therapy in Dermatology
FRANCIS W. LYNCH, Saint Paul
Problems of Dosage in Treatment of Rheumatoid Arthritis
L. EMMERSON WARD, Rochester

Problems Arising From Suppression of Adrenal Cortical Function by Cortisone and Hydrocortisone
ROBERT M. SALASSA, Rochester
Pathology of the Pituitary and Adrenals
WARREN A. BENNETT, Rochester
Question and Answer Period

Intermission

10:15 Visit Scientific and Technical Exhibits..Armory
11:00 The Clinical Management of Fulminant Infections in Childhood
EDWARD B. SHAW, Clinical Professor of Pediatrics, University of California Medical School, San Francisco
11:30 ARTHUR H. SANFORD LECTURESHIP IN PATHOLOGY
The Pathologist as a Practitioner of Medicine —Fifty Years of Progress
JOHN R. SCHENKEN, Professor of Pathology, University of Nebraska Medical School, Omaha

P.M.

12:15 Miscellaneous Luncheons
Round-Table Luncheons
1:30 Visit Scientific and Technical Exhibits..Armory
2:00 ULCERATIVE COLITIS
Medical Aspects
J. ARNOLD BARGEN, Rochester
Psychiatric Aspects
L. R. GOWAN, Duluth
Surgical Aspects
CLARENCE DENNIS, New York
Question and Answer Period

Intermission

3:15 Visit Scientific and Technical Exhibits..Armory
4:00 SYMPOSIUM ON FRACTURES OF THE SPINE AND LOWER EXTREMITIES
Fractures of the Spine and Pelvis
JOHN C. IVINS, Rochester
Fractures About the Knee Joint
HARRY B. HALL, Minneapolis
Fractures of the Tibia and Fibula in Adults
MALVIN J. NYDAHL, Minneapolis
Fractures of the Lower Extremity in Children
S. S. HOUKOM, Duluth
5:00 Visit Scientific and Technical Exhibits..Armory
7:00 Annual Banquet.....Ballroom, Hotel Duluth

GENERAL SESSION

Duluth Armory

WEDNESDAY, JUNE 9

A.M.

8:30 Visit Scientific and Technical Exhibits..Armory
9:00 Diagnosis and Treatment of Hemolytic Anemia
PAUL S. HAGEN, Saint Paul
Anemias in Pregnancy
ROY G. HOLLY, University of Minnesota
Plasma Expanders
A. R. CURRERI, Associate Professor of Surgery, University of Wisconsin Medical School, Madison
Question and Answer Period

Intermission

10:15 Visit Scientific and Technical Exhibits..Armory
11:00 The Problem of the Benign Mole and Malignant Melanoma.....GEORGE T. PACK, New York

P.M.

12:15 Round-Table Luncheons
1:30 Visit Scientific and Technical Exhibits..Armory
2:00 WHAT'S NEW?
Moderator—F. J. HIRSCHBOECK, Duluth
In Medicine
C. J. WATSON, Professor and Head, Department of Medicine, Medical School, University of Minnesota
In Surgery
OWEN H. WANGENSTEEN, Professor of Surgery and Chairman, Department of Surgery, Medical School, University of Minnesota
In Radiology
LEO G. RIGLER, Professor and Head, Department of Radiology, Medical School, University of Minnesota
In Pediatrics
IRVINE McQUARRIE, Professor and Head, Department of Pediatrics, Medical School, University of Minnesota
In Obstetrics and Gynecology
JOHN L. McKELVEY, Head, Department of Obstetrics and Gynecology, Medical School, University of Minnesota
Question and Answer Period

SPECIAL SESSIONS

MONDAY, JUNE 7

A.M.

10:00 Minnesota Academy of Ophthalmology and Otolaryngology, St. Luke's Hospital Auditorium
Hearing Loss in Children—Detection, Treatment and Rehabilitation.....
KINSEY M. SIMONTON, Rochester
Chronic Middle Ear Suppuration—Today.....
L. R. BOIES, Minneapolis
Retrolental Fibroplasia.....
ERLING HANSEN, Minneapolis
Some Types of Retinal Vascular Occlusions....
HENRY P. WAGENER, Rochester

P.M.

1:00 Round Table Luncheon
Discussion on Vertigo.....
MR. TERRANCE CAWTHORNE, M.D., London, England

TUESDAY, JUNE 8

A.M.

9:00 Minnesota Society of Clinical Pathologists
Tumor Seminar.....St. Mary's Hospital
Moderator—BENJAMIN CASTLEMAN, Professor of Pathology, Harvard Medical School, Boston, Massachusetts
11:30 Arthur H. Sanford Lectureship in Pathology..
Duluth Armory

P.M.

12:00 Luncheon.....St. Mary's Hospital
2:00 Tumor Seminar (Continued).....
St. Mary's Hospital
6:00 Annual Dinner and Business Meeting

History of Medicine In Minnesota

MEDICAL HISTORY OF THE COUNTY OF YELLOW MEDICINE

MILDRED B. LEE
Granite Falls, Minnesota

(Continued from April, 1954, issue)

Charles William Watson was born in Longford, Ireland, in 1863, and went to Canada with his parents at an early age. His boyhood was spent on a farm near Pilot Mound, Manitoba. After completing his elementary education he came to Minnesota to take his medical training at Hamline University, graduating in 1897.

At that time his brother Dr. James A. Watson was practicing medicine in Wood Lake, Yellow Medicine County, and another brother Frederick G. Watson was a pharmacist and proprietor of a drug store at that place. He seems to have begun his medical practice at Boyd before 1900, for the local papers of that time mention his presence in Wood Lake at various periods, taking over his brother's practice at times, and at other times working with him.

Dr. Charles Watson's service in the county was periodic and probably ended when he left the region in 1909. In 1927 he was located in Minneapolis, but was in poor health and unable to practice. He had contracted an illness which resulted in sleeping sickness.

Dr. Watson died May 15, 1930.

Florado H. Wellcome was born in Stevens Point, Wisconsin, in 1856. In 1858 the family moved to Zumbrota, Minnesota, where they lived for three years, then to Garden City, and finally to New Ulm. Dr. Wellcome was educated in the schools of these villages and took his high school course at Mankato, Minnesota. He then entered Rush Medical College in Chicago, graduating in 1879. He married Mary Taylor, of Madison, Wisconsin, and began his practice of medicine in Granite Falls, Minnesota.

Soon after his arrival in Granite Falls diphtheria became prevalent, and he was on call day and night. This was followed by the epidemic of 1881, when many fell victim to smallpox. An astute businessman, Dr. Wellcome's interests lay in finance rather than in medicine, and although he returned to Rush Medical College in 1884 for a postgraduate course in medicine he spent no small part of his time looking after business interests. About 1883 he took over the loan and collection business of Mr. Teachout, and in the fall of 1884, he announced the establishment of the Yellow Medicine County Bank with himself as president and F. W. Pearsall as Cashier. He advertised his loan business extensively in the papers, and practices in connection with it sometimes resulted in litigation in which it was found that usury was a factor.

In appearance Dr. Wellcome was a large man, of fine physique and regular, rather handsome features. A shrewd businessman, he was able to amass a con-

siderable fortune rather early in life; a circumstance which enabled him to travel extensively in this country and abroad. His sister-in-law, Miss Laura Taylor, accompanied Dr. and Mrs. Wellcome on these journeys and wrote a most interesting account of them which was published in limited edition, beautifully bound, as *Three Westerners Abroad.* It appears that Dr. Wellcome was related to Henry Wellcome, then a member of the English chemical suppliers, or drug firm, of Burroughs and Wellcome which is still in existence. Mrs. Wellcome's forebears also being English they visited the ancestral home of the Taylors also.

Dr. Wellcome discontinued the practice of medicine in Granite Falls about 1885, to devote himself to business. In 1894 he removed to Minneapolis where he became a director of the National Bank of Commerce until its consolidation with the Northwestern National Bank. In 1903 he was one of the organizers of the Union Investment Company, a banking house interested in country banking, farm loans, and commercial business, and became president of this company and several country banks throughout the northwest.

Dr. Wellcome was a member of the Granite Falls Masonic Lodge, and of the Minneapolis, Lafayette, and Minikahda Clubs. He died at the age of sixty-two at his home on 210 Groveland Avenue, Minneapolis, on December 20, 1920. He was survived by his wife, Mary Taylor Wellcome, and three brothers. The only child of the couple, Mamie Wellcome, died at Granite Falls at the age of nine months. A memorial window bearing her name was given to the Congregational Church of Granite Falls.

John L. Wakefield was born in Winsted, Connecticut, in 1823. He received his early training there, and entered Harvard College for medical training. After graduation he began to practice at Winsted under the direction of his father. In 1854 he came west to Shakopee, Scott County, where he lived for a time, becoming one of the first officers of Shakopee Lodge No. 6, A. F. and A. M. In 1861 he was appointed government physician to the Upper Sioux Agency to succeed Dr. Jared Waldo Daniels who had resigned.

Dr. Wakefield and his family took up residence in a large, two-story brick building on the bluffs above the Minnesota River at the site of the Upper Sioux Agency. This house was of solid construction, its walls being fourteen inches thick, and it was only partially destroyed in the Indian uprising of 1862.

Dr. Wakefield's work began with new officials appointed by the Lincoln administration, who were committed to a policy of individualizing the Indians and breaking up their community system. This policy was resented and met with fierce opposition from the Indians. Resentment over the encroachments of the white men and failure of government to live up to promises made to the Indians had been building up for some time, culminating in the hostilities which began August 17, 1862.

Dr. Wakefield was away from the Agency with the Agent when news of the massacre at Acton was brought to the Upper Sioux Agency, and Mrs. Wakefield immediately took her children and set out for Redwood. On the way she was overtaken and picked up by a young man with a horse and buggy. But the attack on Redwood was already under way, and before the party reached that place they were set upon by Indians who killed the young man and took Mrs. Wakefield and her children prisoners.

Dr. Wakefield returned to the Agency later in the day, and was one of the party of twenty-two men and forty women and children who took refuge in the government warehouse. Fortunately for them, the Indians busied themselves with looting

and burning the stores, and in the early morning hours John Other Day, a friendly Christian Indian, procured a team and wagon to transport the wounded and children and helped the refugees to get across the river. They had little in the way of arms, ammunition, or food, but the party made its way to Fort Ridgely, which they found under seige. They also found St. Peter under attack, but soldiers from Fort Snelling arrived shortly after the party passed and drove off the attackers. Dr. Wakefield then returned to St. Peter where he helped to care for the wounded.

At the cessation of hostilities Mrs. Wakefield and children were reunited with the doctor, and they settled in St. Peter. In 1869 Dr. Wakefield became postmaster there. He died in February, 1875, at the age of fifty-one years, from an overdose of an opiate. According to his obituary he was "well known and left many friends."

Thomas Smith Williamson was born in March, 1800, in Union District, South Carolina, the son of Rev. William Williamson and his wife Mary Smith Williamson. His grandfather was Thomas Williamson, and his grandmother's name before marriage was Anne Newton, and she was a distant relative of Sir Isaac and the Rev. John Newton. When his father was eighteen years of age he accompanied Gates in his expedition through the Carolinas, and after the war was over he resumed his studies and was graduated at Hampton Sidney College. He then studied theology, and was ordained pastor of Fair Forest Church in April, 1793. The parents and grandparents were owners of slaves, many of whom were purchased at their own request to keep them from being sold to hard masters.

The Rev. William Williamson owned slaves both before and after his marriage, but he did not approve of slavery. In 1805 he removed to Adams County, Ohio, so that he might give his slaves their freedom. Mary Smith Williamson believed that negroes should be taught, and although it was against the law she taught a number of negroes to read and write. In so doing she incurred the hostility of many slaveholders in her husband's parish. This was the chief reason for their going to Ohio. They made the journey by wagon and horseback, taking along the four-year-old Thomas and his infant sister; and behind them in single file trudged twenty-seven slaves who were to be freed upon their arrival in a free state.

Thomas Smith Williamson inherited a deeply religious nature and a sympathetic attitude toward the unfortunate. On completing his elementary education he entered Jefferson College at Cannonsburg, Pennsylvania, graduating in 1820. He then began reading medicine with his brother-in-law, Dr. William Wilson of West Union, Ohio, and after a full course of this, and some practical experience, he took a course of lectures at Cincinnati, Ohio. He then entered Yale College for further medical training and graduated with his degree in medicine in 1824.

Dr. Williamson began his medical practice at Ripley, Ohio, and there met Margaret Poage, daughter of Col. James Poage, a man of wealth and position. On April 10, 1827, Dr. Williamson and Margaret Poage were married. Of her Rev. Stephen Riggs says, "Perhaps no man was ever more blessed with a helpmate more adapted to his wants than this lovely, quiet, systematic, cheerful Christian wife, who for forty-five years of perfect harmony encouraged him in his labors."

In Ripley Dr. Williamson built up a good practice, and in the course of time three children were born. But in the years that followed he became convinced that his life should be dedicated to the service of mankind and God through missionary work. At first it seemed unwise to plan on this, for there were three small children to be cared for. But, the Rev. Riggs states: "God removed this obstacle in his own way—by taking the little ones home to himself." Accepting this hard doctrine of the time, Dr. Williamson placed himself under the supervision

of the Chillicothe Presbytery and studied theology, then entered Lane Seminary. He was licensed to preach in April, 1834.

Following this event he was directed to make a survey of the missionary field in the Indian territory, and in doing this journeyed as far west as Fort Snelling. In September of that year he was ordained a missionary, and in April, 1835, he set out with his wife and infant child, Miss Sarah Poage, and the Alexander Huggins family for Fort Snelling.

Dr. Williamson's first activity in Minnesota centered around the Pond mission and he presided at the organization of the First Presbyterian Church, which was the first one established in the territory.

When at Rock Island in 1835, Dr. Williamson had met Joseph Renville, French-Indian trapper and trader and man of many talents and interests. Upon learning that Dr. Williamson was again at Fort Snelling with a missionary party for the purpose of establishing a mission, Renville invited Dr. Williamson to come to Lac qui Parle and establish his mission near the Renville trading post there. This proposal received the endorsement of the authorities, and so on June 22, 1835, the missionary party set out from Fort Snelling in a mackinaw boat loaned by the fur company, to travel up the Minnesota River to Traverse des Sioux. They reached Traverse des Sioux on June 30, and there transferred to a Red River ox cart caravan for the rest of the journey to Lac qui Parle. Dr. Williamson's group traveled by team and wagon from Traverse des Sioux to Lac qui Parle, following the ox carts. The wagon had been taken apart and carried in the mackinaw boat from Fort Snelling to Traverse des Sioux, where it was assembled and put into use. Dr. Williamson drove the team from Fort Snelling along the Minnesota shore, and met the boat at Traverse, where the team was hitched to the assembled wagon. At the time of making this long and arduous journey Margaret Williamson was pregnant. Her son, John P. Williamson, was born October 27, 1835.

For the first year the Williamsons lived at the Fort, Dr. Williamson's first task was to familiarize himself with the Dakotah language. Although languages were difficult for him to learn, he mastered the language, and within two years was preaching to the natives in their own tongue. In 1836 the missionaries chose a site on the north bank of the Minnesota at Lac qui Parle and there began the construction of a mission with the help of Joseph Renville.

The Indians in the territory were very poor and received no annuities from the government. Dr. Williamson and Alexander Huggins set to work to teach better farming methods. Dr. Williamson also practiced medicine, and "for more than a quarter of a century his medical aid went hand in hand with his preaching of the gospel." (Rev. Riggs.) The Indians called the doctor pay-zhe-hoo-ta-we-chash-ta, or Grass Root Man.

Dr. Williamson also began the work of translating the Scriptures into the Dakotah language. In this work he had the help of Joseph Renville, who had been educated in a Jesuit School. But Renville spoke principally French and Dakotah, and so it was necessary for the doctor to learn French also. This, too, he mastered. When, in 1837, Rev. Stephen R. Riggs came to the misson the work progressed more quickly. The Pond brothers had already begun the compilation of a dictionary of Dakotah words, and they had this assistance. It was a work requiring great patience and devotion.

In 1846 the chief of the Kaposia band of Sioux went to the Indian Agent at Fort Snelling and requested that a missionary be assigned to his village. He was alarmed at the deterioration of the tribe due to the liquor furnished them by the

saloon keepers of Pig's Eye and other bad influences. The Agent wrote to Dr. Williamson and asked him to take charge of a mission school at Kaposia. In his report of this to the government the Agent added, "He has had charge of the mission school at Lac qui Parle for some years; is well qualified, and is an excellent physician." So in November, 1846, Dr. Williamson moved to Kaposia and took up his work there. He also took a kindly interest in the white people at Pig's Eye, where there was a little log chapel. He was the first to promote education for the half breeds. At his request Miss Harriet E. Bishop came to teach in this, the first school house in Minnesota outside the mission schools.

When the Indians were summoned to a treaty conference at Traverse des Sioux, Dr. Williamson went with them as interpreter and friend. Since the treaty provided for the establishment of a new reservation along the Minnesota River, and agencies to be established at Redwood and Pehijutazi, Dr. Williamson immediately made plans to remove to this new location. In the summer of 1852, he went to Pehijutazi, which was to be the site of the Upper Sioux Agency, and began the construction of a home for his family. In the years that followed other mission buildings were erected, and Dr. Williamson and his staff—which included his own family, and relatives who also shared the missionary spirit, labored there until compelled to leave by the Sioux uprising. At the close of hostilities he did all he could to assist the imprisoned Indians in their prisons at Mankato and Fort Snelling.

After the uprising Dr. Williamson established a home at St. Peter, but he himself devoted two years to the Dakotahs who were imprisoned at Davenport, Iowa. He ministered to their needs, both spiritual and physical, and many Indians were taught to read and write and were instructed in Christian teachings. At the end of three years of imprisonment the Indians were deported to a new reservation at Crow Creek in what is now South Dakota.

The Rev. John Poage Williamson, first of the doctor's children to be born in the Indian territory, was now an ordained minister and missionary sharing his father's work. He accompanied one boatload of 1,300 Indians on the journey to Crow Creek, at the big bend of the Missouri River. Here he stayed for three years, sharing with the Minnesota Sioux the terrible hardships of the time, during which 300 Indians died of disease and starvation. Finally the government released them to a reservation called Santee, near the mouth of the Niobrara River in Nebraska where remnants of the Minnesota Sioux remain today. After the Indians were released, Dr. Thomas S. Williamson accompanied Rev. Riggs and Rev. John B. Renville to Santee, Nebraska, stopping on the way to preach at the Indian villages.

Dr. Williamson continued his work with the Indians for more than thirty-six years. When he was no longer physically able to travel his interest continued, and he attended synods as long as he was able. He continued to work on the Bible translation to the very end. Propped up in bed, he was still at work upon it in his home in St. Peter when death ended his labors on June 24, 1879.

Of the children born to Dr. and Mrs. Williamson, three died in infancy at Ripley, Ohio. Smith Burgess Williamson, "a manly boy," died as the result of an accident while hauling wood for the mission, at the age of fourteen or fifteen years. Lizzie Williamson Hunter died "in the flower of her young womanhood"; Nancy Jane Williamson, born at Lac qui Parle, died at the age of thirty-eight, in 1878. Margaret Poage Williamson, devoted wife and mother, died about 1876.

Dr. Williamson was survived by his son, the Rev. John Poage Williamson, who spent fifty-five years of his life as a missionary in Minnesota, Nebraska, and South

Dakota, and died, still in the service, at the Yankton Indian Agency at Greenwood, South Dakota, in October, 1917. His wife, Sara Van Nice Williamson, died in 1932. John was born in a hut with a dirt floor in Renville's stockade on October 27, 1835, possibly the first white child born in western Minnesota. His knowledge of the Sioux language, learned as a boy, was unsurpassed by any white missionary. He was in constant demand by the Federal government as an interpreter during the Sioux wars.

* * *

Nicolay Hilmar Scheldrup* stems from a famous family that produced outstanding men in Scandinavia from the 16th century on. Originally, the Scheldrup family lived in Denmark, where Bishop Jens Pederson Scheldrup was born in 1524. He must have been an outstanding, brilliant man. After studying philology at the University of Copenhagen he at one time became professor of Physics at this University. Then his interest shifted to theology and in 1557 became bishop of the Bergen territory. One of his sons, Peder Jensen Scheldrup, born in 1571, studied in Denmark and with the renowned ministers school at Wittenberg, Germany. First he was pastor in Fredriksborg and in 1622 he, too, became a bishop (for the Trondheim territory). One of Peder Jensen's sons, Nils Pederson Scheldrup was assistant pastor in Trondnes when he died in 1693. Anders Nilson liked the natural resources and acquired much land outside of Trondnes; there his widow and children settled after his death and the estate remained in the Tovik-Scheldrup family. One of Pastor Anders Nilson's sons, Peder Anderson Scheldrup, was born about 1690; he became district physician in Tovik—apparently the first physician of note in the Scheldrup family tree. Another son held a similar position in Harstad and a third son, Anders Pedersen, was a writer. The latter's son, Nils Anderson Scheldrup, was a shipowner and merchant in Tovik, and his grandson, Anders Martin Scheldrup, born about 1845, was the father of Dr. N. H. Scheldrup. Anders Martin also was a shipowner and merchant. Indeed, a line of ancestors of which to be proud. His mother was Hannah Wanvik.

Dr. Scheldrup finished high school in Norway and left for America in 1891. It is therefore not likely that he graduated from the University of Christiania. He studied medicine at Rush Medical College, from which he graduated in 1897, and later specialized in surgery. He was not the only one in his family to choose this specialty, as one relative became professor of surgery at the University of Oslo.

On August 5, 1907, he married Eva Dunsmore Rose; it was the second marriage for both.

For fifty years, he spent his summers at his summer home in Ontario and his hospitality became famous. For many years, he enjoyed his fine yacht and traveled with it a great deal. His interest, aside from medicine, included ornithology, astronomy, religion and history. He was a great reader and accumulated a fine large, library.

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*See "Medical History of the County of Yellow Medicine" by Mildred B. Lee. MINNESOTA MEDICINE, pp. 224-226, March, 1954.

Most of the information given herewith is taken from a clipping from an unidentified Norwegian newspaper which contained an article by Knute Haddeland: "Berømt Norsk Amerikaner 80 Aar."

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HEBREW MEDICAL JOURNAL ISSUES TWO TWENTY-SIXTH ANNIVERSARY NUMBERS

The *Hebrew Medical Journal* completed its twenty-sixth year by issuing two volumes in 1953 under the editorship of Moses Einhorn, M.D., of New York. Written in Hebrew, with English summaries, the journal has played an important part in the creation of a medical literature and terminology in the language of the Bible. Such a terminology represents an important linguistic and scientific achievement and materially accelerated the rise of a medical literature in Hebrew. To this literature, The *Hebrew Medical Journal* is also making substantial contributions.

Among the articles in the *Spring issue,* Volume 1, 1953, is the section on "Israel and Health." Dr. Meir Yoeli of the Hebrew University in Jerusalem presents a treatise on "Tropical Diseases in Israel." In his article, Dr. Yoeli emphasizes the growing trend of tropical diseases to spread to non-tropical countries as a result of population transfers. He also gives statistical studies on the recent incidence of tropical diseases in Israel, describes the special position of the country as being "on the cross roads of infection," and concludes with a report on recent progress in controlling those diseases in Israel. Another contribution of interest is the manuscript of a medieval Hebrew treatise on "Melancholy" (12th Century), with valuable notes and commentary, by Zussmann Muntner, M.D., of Jerusalem.

In the *Fall issue,* Volume 2, 1953, is the paper by Dr. Edward Tolstoi on "Treatment of Diabetes Mellitus by the Clinical Approach." In this number is included a symposium on "Artificial Insemination." Dr. Abner I. Weisman writes on "Some Consideration on the Status of Artificial Insemination in the United States of America," and Dr. Akiba Joel discusses "Artificial Insemination in Israel." Rabbi I. Jakobovits, Chief Rabbi of Ireland, gives a clarification on the attitude of Judaism, Catholicism and Protestantism towards the subject of "Artificial Insemination, Birth-Control and Abortion."

In the section called "Israel and Health," Dr. A. A. Schwarzbart deals with the increase in the number of tuberculosis cases, which followed the huge influx of newcomers from culturally and economically backward countries after the establishment of the State of Israel, and reports on the success achieved by the treatment of the malady with antibiotics.

✦ Reports and Announcements ✦

FAMILY DOCTORS' DAYS

at the

University of Minnesota Hospitals

All physicians are cordially invited to attend the following Family Doctors' Days which will be presented under the direction of the department indicated.

June 2—Dept. of Pathology
July 14—Ear, Nose, and Throat

Activities begin with luncheon at 12:15 noon with the staff of the department in the Hospital Dining Room and will continue throughout the afternoon.

For further information, write the head of the department concerned or the Director, Department of Continuation Medical Education, University of Minnesota Hospitals.

AMERICAN CONGRESS ON OBSTETRICS AND GYNECOLOGY

The sixth American Congress on Obstetrics and Gynecology will be held at the Palmer House, Chicago, December 13-17, 1954.

The five-day meeting is sponsored by the American Committee on Maternal Welfare, Inc., and the American Academy of Obstetrics and Gynecology. It will bring together the four major groups concerned in the provision of better care for mothers and babies—medicine, nursing, public health and hospital administration.

The program will include twenty-seven formal papers, twenty-two symposia and panels, luncheon discussion groups, and several hundred round-table discussions, covering every phase of maternal and newborn care. Scientific and technical exhibits are also being planned.

Information about the meeting may be obtained by writing to the Sixth American Congress on Obstetrics and Gynecology, 116 South Michigan Avenue, Chicago 3, Illinois.

AMERICAN CONGRESS OF PHYSICAL MEDICINE AND REHABILITATION

The 32nd annual scientific and clinical session of the American Congress of Physical Medicine and Rehabilitation will be held September 6-11, 1954, inclusive, at the Hotel Statler, Washington, D. C.

Scientific and clinical sessions will be given September 7, 8, 9, 10 and 11. All sessions will be open to members of the medical profession in good standing with the American Medical Association.

In addition to the scientific sessions, annual instruction seminars will be held. These lectures will be open to physicians as well as to therapists, who are registered with the American Registry of Physical Therapists or the American Occupational Therapy Association.

Full information may be obtained by writing to the executive offices, American Congress of Physical Medicine and Rehabilitation, 30 North Michigan Avenue, Chicago 2, Illinois.

Annual Essay Award

To stimulate interest in the field of physical medicine and rehabilitation, the American Congress of Physical Medicine and Rehabilitation will award annually a prize for an essay on any subject relating to physical medicine and rehabilitation. The contest, while open to anyone, is primarily directed to medical students, interns, residents, graduate students in the pre-clinical sciences and graduate students in physical medicine and rehabilitation.

The following rules and regulations apply to the contest:

1. Any subject of interest or pertaining to the field of physical medicine and rehabilitation may be submitted.
2. Manuscripts MUST BE in the office of the American Congress of Physical Medicine and Rehabilitation, 30 N. Michigan Ave., Chicago 2, not later than June 1, 1954.
3. Contributions will be accepted from medical students, interns, residents, graduate students in the pre-clinical sciences, and graduate students in physical medicine and rehabilitation.
4. The essay must not have been published previously.
5. The American Congress of Physical Medicine and Rehabilitation shall have the exclusive right to publish the winning essay in its official journal, the *Archives of Physical Medicine and Rehabilitation*.
6. Manuscripts must not exceed 5,000 words (exclusive of headings, references, legends for cuts, tables, etc.), and the number of words should be stated on the title page. An original and one carbon copy of the manuscript must be submitted.
7. The winner shall receive a cash award of $200, a gold medal properly engraved, a certificate of award and an invitation to present the contribution at the 32nd Annual Session of the American Congress of Physical Medicine and Rehabilitation at the Hotel Statler, Washington, D. C., September 6-11, 1954.
8. The winner shall be determined by the Annual Awards Committee composed of four members of the American Congress of Physical Medicine and Rehabilitation.
9. All manuscripts will be returned as soon as possible after the name of the winner is announced.
10. The American Congress of Physical Medicine and Rehabilitation reserves the right to make no award if, in the judgment of the Annual Awards Committee, no contribution is acceptable. The Congress may also award certificates of merit to contributors whose essays may be considered second and third best submitted. Announcement of the winner will be made after the annual meeting. Officers and members of the American Congress and the American Society of Physical Medicine and Rehabilitation are not eligible for this award.

SUMMER CAMP FOR DIABETIC CHILDREN

A summer camp for diabetic children will be opened for the sixth season under the auspices of The Chicago Diabetes Association, Inc., from July 18, 1954 to August 8, 1954 at Holiday Home, Lake Geneva, Wisconsin.

Physicians are requested to notify parents of diabetic children and to supply the names of children who would like to attend camp. Applications may be obtained from, and inquiries should be addressed to: The Chicago Diabetes Association, 5 South Wabash Avenue, Chicago 3, Illinois. Telephone: Andover 3-1861.

NATIONAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS

The 1954 convention of the National Society for Crippled Children and Adults, the Easter Seal Society, will be held November 3-5, at the Statler Hotel, Boston, Massachusetts.

Convention sessions now being planned, will be geared to the over-all theme of rehabilitation, with general sessions, institutes, seminars, workshops and roundtables on various specialized subjects.

In this thirty-first national convention of the Easter Seal Society, authorities in every area related to helping the crippled will participate. The 1954 convention will highlight the latest thinking and the newest practical developments in the various fields of work with the crippled. A traditional feature will be the Handicapped Panel, comprising persons who have successfully overcome major handicaps to lead useful lives.

The Easter Seal Society, the oldest and most comprehensive organization of its kind, extends 874 specific services and facilities to thousands of crippled persons each year. It does this through the efforts of 1,253 affiliates in the 48 states, the District of Columbia, Alaska, Hawaii and Puerto Rico.

COURSE IN CARDIOVASCULAR DISEASES

A course in cardiovascular diseases for general physicians was presented by the University of Minnesota and the Minnesota Heart association, March 22 to 24, in the University's Center for Continuation Study.

In conjunction with the course, Dr. Samuel A. Levine, clinical professor of medicine, Harvard university, presented the annual George E. Fahr lecture March 23, in Owre amphitheater. His topic was "Some Pitfalls in the Care of Cardiacs."

Director of the course was Dr. C. J. Watson, head of the University's department of medicine. On the faculty were staff members of the University medical school and the Mayo Foundation at Rochester.

Divisions of the course were "Examination of the Cardiovascular System," "Therapy of Congestive Heart Failure" and "Selection of Patients for Cardiac Surgery."

MINNESOTA SOCIETY FOR THE MENTALLY RETARDED

The fourth annual convention of the Minnesota Society for the Mentally Retarded will be held Friday and Saturday, June 4 and 5, at the Hotel Nicollet in Minneapolis. Chief speaker for the convention will be Dr. Salvatore Dimichael, newly appointed executive director of the National Association for Retarded Children, who will fly from New York to speak at the Saturday noon banquet. Dr. Dimichael's topic will be: "The Present and Future in a National Program for the Mentally Retarded." Before joining the NARC early this year, Dr. Dimichael was with the Federal Office of Vocational Rehabilitation in Washington, D. C.

Registration for the convention begins at noon, Friday, June 4. The afternoon will be spent in visits to various schools, workshops and clinics which work with the retarded. A reception from six to seven p.m. will give conventioneers a chance to meet with one another. From seven to nine p.m. there will be workshops in the areas of education for the retarded, publicity and public relations, legislation, fund-raising, and expanding horizons through new group organization. Business sessions will occur Saturday morning from nine to twelve.

Of especial interest to professional persons, as well as to parent-members of the Minnesota Society, will be three forums from 2:30-4:30 Saturday afternoon. These forums will consider: (1) the education of the retarded child, (2) institutional care, and (3) care of the retarded child in the home. Prominent persons from the fields of education and welfare, as well as parents, will analyze the problems in these three areas and discuss solutions, after which discussion from the floor will follow.

Mr. Arthur Gunderson, 821 Summit, Minneapolis, 1953-1954 president of the Minnesota Society for the Mentally Retarded, extends a cordial invitation to all medical, welfare and institutional personnel, teachers, future teachers and all friends of the retarded to attend the convention.

MINNESOTA ACADEMY OF OCCUPATIONAL MEDICINE AND SURGERY

The annual meeting of the Minnesota Academy of Occupational Medicine and Surgery will be held at 6:30 P.M. on May 26, at the Minneapolis Athletic Club.

MINNESOTA SOCIETY OF NEUROLOGY AND PSYCHIATRY

The Minnesota Society of Neurology and Psychiatry held its March meeting at the Town and Country Club in Saint Paul. Dr. Burtrum C. Schiele, Minneapolis, and Dr. Philip M. Margolis, Saint Paul, spoke on "Clinical Experience in the Use of Succinylcholine Chloride in Electroshock Therapy."

In Memoriam

VERNE SEYMOUR CABOT

Dr. Verne S. Cabot, Minneapolis surgeon, died at the age of sixty-four, March 9, 1954, at his home in Minneapolis. He had been absent from his office in the LaSalle Building since last August, but had planned to return to active practice soon.

Dr. Cabot had practiced medicine in Minneapolis since 1913. He was born at Faribault and received his medical degree from the University of Minnesota. He served his internship at Minneapolis General Hospital and took postgraduate training in surgery at the North Chicago Hospital, as assistant to Dr. Carl Beck, and at Cook County Hospital in Chicago. He served for two years during World War I in the Surgical Service of the United States Army Medical Corps in France. He was a member of the staffs of Deaconess, Swedish, and St. Barnabas Hospitals in Minneapolis, and served as Chief-of-Staff of St. Barnabas.

Among the professional organizations of which Dr. Cabot was a long-time member are the Hennepin County Medical Society, the Minnesota State Medical Association and the American Medical Association. He was also a member of the American College of Surgeons, of which he was a Fellow, and of the Minneapolis Surgical Society, the Professional Men's Club and the Business and Professional Men's American Legion Post.

He was one of three brothers, all of whom were physicians and one of whom, Dr. Clyde M. Cabot, survives him. A brother-in-law, Dr. Arthur A. Wohlrabe of Minneapolis, is also a physician.

Other survivors beside Dr. Clyde M. Cabot, are his wife, the former Emma M. Miner; a daughter, Mrs. Charles D. Hellberg; a son, John S.; three grandchildren; and a sister, Mrs. Arthur A. Wohlrabe.

THEODORE A. ESTREM

Dr. Theodore A. Estrem, seventy, died April 8, 1954, after a long illness at his home in Hibbing. He went to Hibbing thirty-five years ago as member of the staff of Rood Hospital. Later he became affiliated with the Mesaba Clinic, specializing in urology and in obstetrics and gynecology.

Dr. Estrem was born at Petersburg, Nebraska, and received his premedical education at the Jewell Lutheran College and at the Red Wing College and Seminary. He was graduated in medicine from the University of Wisconsin and Rush Medical College and served his internship at St. Luke's Hospital in Chicago.

He served a term as chief of staff of the Hibbing General Hospital and he was a member of the St. Louis County Medical Society, the Minnesota State Medical Association and the American Medical Association. He was also a past president of the Hibbing Chamber of Commerce and the Rotary Club and a member of Mesaba Lodge 255 A.F. and A.M., the Algonquin and Hibbing Curling clubs and of Our Savior Lutheran Church of Hibbing.

Surviving are his wife, Violet; a son, Theodore A., Jr., Minneapolis; a daughter, Mrs. W. F. Braasch, also of Minneapolis; a brother, Herman, of Albion, Nebraska; six sisters including Mrs. S. Watland, San Francisco; Mrs. C. Radcliff, Olive View, California; Mrs. John Levos, Norfolk, Nebraska; Mrs. R. Levos and Mrs. O. Limbo, both of Oakdale, Nebraska, and Mrs. George Karabel, Tilden, Nebraska; and two grandchildren.

ALCIBIADES A. GIROUX

Dr. Alcibiades A. Giroux, North Mankato pediatrician, died March 11, 1954, at St. Joseph's Hospital in Mankato at the age of sixty-nine.

Dr. Giroux had never recovered completely from an automobile accident, which occurred several years ago, and had been forced to retire from practice as a result of the shock produced by the floods of 1951 which did serious damage to his home in North Mankato. He had practiced in Mankato since 1944 and, before that, in Duluth for many years and, for a short period, at Moose Lake Hospital.

Dr. Giroux was born at Granby in Canada. He received his pre-medical training at St. Joseph's College in Montreal, and his medical education at the University of Montreal Medical Department. He served his internship at St. Mary's Hospital in Duluth and took his postgraduate training in pediatrics at the University of Minnesota Medical School.

He was a member of the Nicollet-LeSueur County Medical Society, the Minnesota State Medical Association, and the American Medical Association.

Surviving are his wife, Katheryn, North Mankato; one daughter, Mrs. Lee Mockrud, Chicago; three sons, Glen, Donald and Richard, and four grandchildren, all of Mankato.

LOUIS WILLIAM KATZBERG

Dr. Louis William Katzberg, fifty, died at Rice Hospital in Willmar, Minnesota, March 17, 1954. He had been staff physician at Willmar State Hospital since 1951.

Dr. Katzberg was born in Adams County, Nebraska, received his pre-medical education at Hastings College, Hastings, Nebraska, and his medical training at the University of Nebraska College of Medicine in Omaha. After a year's internship at Bishop Clarkson Memorial Hospital in Omaha and a short period in practice at Pine Island, Nebraska, Dr. Katzberg moved to Minnesota and became staff physician at the Fergus Falls State Hospital from 1935 to 1939. From 1939 until he went to the Willmar institution in 1951, he practiced at Spring Valley, Minnesota.

Dr. Katzberg was a member of the Minnesota State Medical Association, the American Medical Association and the Kandiyohi-Swift-Meeker County Medical Society.

Survivors include his wife, the former Mabel Richards of Omaha; three daughters, Ann, fifteen, Carol, fourteen, and Sue, twelve; his parents, Mr. and Mrs. Gus Katzberg of Prosser, Nebraska; and a brother, Ralph, also of Prosser.

JOHN RICHARD PETERSEN

Dr. John Richard Petersen, for thirty-five years medical director of the Lutheran Brotherhood Insurance Company, died in Minneapolis, April 4, 1954. He was eighty-two years old.

Dr. Petersen was born in Minneapolis and graduated from Luther College at Decorah, Iowa, and the University of Minnesota Medical School. He had practiced at Willmar and at Renville before joining the insurance company.

He was a life member of the Hennepin County Medical Society, the Minnesota State Medical Association and the American Medical Association. He was associated, also, with the Athletic and Old Guard clubs.

Surviving are his wife, Thea; a son, Richard L. of Park Rapids; a daughter, Mrs. L. S. Carroll, Minneapolis; a sister, Mrs. Clara Ulvilden, Minot, North Dakota; and one granddaughter.

FRANK THOMAS RODWELL

Dr. Thomas Frank Rodwell died at his home in Mahnomen, April 22, 1954, at the age of ninety-three. He was a member of the Fifty Club of the Minnesota State Medical Association and had been honored last year by townspeople as the oldest living Legionnaire in Minnesota.

Dr. Rodwell served for twenty-eight years in the U. S. Indian Service as physician and superintendent at Walker and at White Earth. He moved to Mahnomen to engage in private practice in 1930. A reference to him in Polk's Medical Directory of 1898 indicates that he had been established there before. He continued to practice in Mahnomen on a limited basis until a few years before his death.

Dr. Rodwell was born at Hamilton, Ontario, and received his preliminary education at the Collegiate Institute at Hamilton and at Michigan College (now Wayne University), Detroit, from which he received his medical degree in 1886. He served his internship at Harper Hospital in Detroit and took seven years of postgraduate training at the Hospital of Lumber Casualties at Saginaw, Michigan. He came to Minnesota in 1893.

He was a member of the Red River Valley Medical Society until the time of his retirement, as well as the Minnesota State Medical Association and the American Medical Association. He served in the Army Medical Corps during World War I.

Survivors include his wife, the former Mayme Holden of Brainerd, whom he married in 1904 and two sons, Thomas, of Granite Falls, and Harold, of Mahnomen.

ANTON G. WETHALL

Dr. Anton G. Wethall, Minneapolis urologist, died April 4, 1954, at the age of eighty-two. He had practiced in Minneapolis for more than fifty years and had maintained offices in the LaSalle Building there until a year ago.

Dr. Wethall was born in Norway but came to America with his parents seventy-six years ago, settling in Stoughton, Wisconsin. He received his pre-medical education and a B.S. degree from Valparaiso University in Indiana and his medical training at the University of Minnesota. He interned at Deaconess Hospital and has been on the staff there ever since. He was also a member of the staffs of St. Andrews and Mt. Sinai Hospitals. He took postgraduate work in urology at the New York Post-Graduate School in 1913 and again in 1919, and at the University of Vienna in Austria in 1927.

From 1911 to 1917, Dr. Wethall was clinical assistant in urology at the University of Minnesota. He served as staff instructor from 1917 to 1928 and as assistant professor from 1928 to 1941.

He was a life member of the Hennepin County Medical Society, the Minnesota State Medical Association and the American Medical Association; also he was a member of the American Urology Association, Sons of Norway and the Central Lutheran Church.

Surviving are his wife, Amanda J., and two daughters, Mrs. Clarence A. Kuntz and Mrs. John G. Gustafson, both of Minneapolis.

ARCHA EDWARD WILCOX

Dr. Archa E. Wilcox, surgeon and leader in industrial medicine, died at his home in Minneapolis, April 6, 1954. He was seventy-eight years old.

For thirty-nine years until his retirement in 1941 he was a prominent figure in civic and welfare affairs in Minneapolis, as well as in the practice of medicine. As medical director of the Washburn-Crosby Company, he established the first industrial medical department in this area. He was for some years a member of the Minneapolis Board of Charities and of the Welfare Board. For a short time, also, he was superintendent of Minneapolis General Hospital and he served as chief of the surgical service and head of the medical staff for ten years.

Dr. Wilcox was born in Minneapolis and attended East High School there. He received pre-medical training at the University of Buffalo and his medical education at the University of Pennsylvania. Following internship at the German Hospital in Philadelphia, he took postgraduate training in surgery under the late Dr. John B. Deaver and in Europe. He established himself in medical practice in Minneapolis in 1902, and taught surgery, first at Hamline University and then at the University of Minnesota, where he was associate professor emeritus of surgery at the time of his death.

Dr. Wilcox served as chairman of the Committee on Industrial Health of the Minnesota State Medical Association and he was also a member of the medical panel for occupational diseases for the State of Minnesota.

He was one of the organizers of the former Hillcrest Hospital and he served as chief of staff at both the Abbott and Eitel Hospitals. He was elected president of the Minnesota Academy of Medicine in 1934 and 1935. He was a fellow of the American College of Surgeons and member of the Minneapolis Surgical Society, the Southern Minnesota Surgical Society and the Western Surgical Society. He was a life member, also, of the Hennepin County Medical Society, the Minnesota State Medical Association and the American Medical Association. He belonged to the Minneapolis Club and to the Minneapolis Institute of Arts. During World War I, he was in the reserve officers corps. During World War II, he served on the selective service appeal board.

Music was one of his hobbies. He was a skilled pianist and entertained his friends often at his summer residence, Rippleside, on Elm Creek near Anoka, during his more active days.

Surviving are his wife, the former Mary Hays Hunter; two children, Archa Edward Wilcox, Jr., of Minneapolis, and Mrs. G. Chester P. Gifford, Houston, Texas; two sisters, Mrs. Myrtice Joslin and Mrs. Beatrice Keator, both of Excelsior, and two granddaughters.

GERMANY SHOWS SURPLUS OF DOCTORS

(Continued from Page 351)

"First, the public health insurance law allots one physician to 600 patients under public insurance, and one dentist to 1,250 patients. This allocation of doctors and dentists automatically restricts the number who may practice in the public health insurance field. Further, permission to treat public health insurance patients is not given to all physicians admitted to practice.

"Finally, because of the 'splitting-the-melon' type of payment to the doctors participating in the public insurance scheme, the doctors in the plan are encouraged to oppose any increase in the numbers dividing the lump sum of payments."

In the insurance plan, half of the premium payment is taken out of the wage-earner's pay, the other half is paid by the employer. In addition, a patient pays about 10 cents for a "sick ticket" when he wishes to see a doctor. The article states:

"This means that eight of every 10 patients enter doctors' offices with 'tickets.' The remaining two patients visit private practitioners. However, private practitioners cannot count on drawing two of every 10 patients. Since these latter are presumably well off, at least one of them will take his medical business to a 'professor,' not to a mere 'private practitioner.' The 'professor,' peculiar to German medical practice, is a specialist who, besides drawing a fixed income at the university and possibly as head of a hospital as well, will put his outstanding knowledge and ability at the disposition of a few private patients . . ."

The situation is aggravated by the fact that there are many refugee physicians from German territory behind the Iron Curtain. The refugee medical men also demand—and rightly so, the West German government feels—a chance to establish a private medical practice.

MINNESOTA STATE BOARD OF MEDICAL EXAMINERS

230 Lowry Medical Arts Building

Saint Paul, Minnesota

J. M. Jones, M.D., Secretary

BLOOMINGTON WOMAN GIVEN THREE YEARS PROBATION ON ABORTION CHARGE

Re: State of Minnesota vs. Carolyn Lillian Lilledahl

On March 25, 1954, Mrs. Carolyn Lillian Lilledahl, 37, 9949 Maple Ave., Bloomington, Minnesota, was sentenced by the Hon. Levi H. Hall, Judge of the District Court of Hennepin County, to a term of not to exceed four years in the Women's Reformatory at Shakopee, following her plea of guilty on February 25, 1954, to an information charging her with the crime of abortion. However, Judge Hall stayed the execution of the sentence for a period of three years and placed the defendant on probation during that time.

The defendant Lilledahl did not actually perform the abortion but received $35 of the $200 that was paid for it for acting as the contact between an alleged nurse and the twenty-nine-year-old unmarried Minneapolis woman who submitted to the illegal operation on February 18 and was hospitalized in Minneapolis two days later due to the after-effects of the abortion. Although the abortionist has not been identified, she has been described as being a registered nurse, single, rather attractive, 27 years of age, 5 feet in height, 120 pounds, and having a medium complexion and reddish brown hair, her first name being Marie.

When Judge Hall sentenced Mrs. Lilledahl, who has no license to practice any form of healing in Minnesota, he pointed out that there was no excuse for her becoming involved in an abortion in any manner whatsoever since she knew that her mother was presently serving a sentence for the same offense. Lillian Mullane, the defendant's mother, was sentenced by Judge Hall on October 2, 1953, to a term not to exceed two years in the Women's Reformatory at Shakopee on an abortion charge. While the defendant Lilledahl claims that she does not know the identity of the abortionist her story in that respect is not believed by the authorities.

Of General Interest

Dr. H. A. Wilson, Veterans' Administration Hospital, has been released from the hospital in Spokane, Washington, where he has been recovering from a heart attack suffered while on a hunting expedition. He will be confined to his home for several more months before he will be able to take up his professional duties again.

* * *

The "natural increase"—gain in births over deaths—has been 150,776 since 1950-51, **Dr. A. J. Chesley,** head of the state health department, reported. Minnesota is well past the 3 million population mark, with a gain of more than 100,000 the last three years, raising the total to 3,089,904, according to state department of health figures.

* * *

Dr. J. Garott Allen, professor of surgery at the University of Chicago School of Medicine, spoke at a course in emergency surgery for general physicians at the University of Minnesota April 1-3. Emergency management of various types of wounds and injuries and acute abdominal conditions were stressed. **Dr. O. H. Wangensteen,** chairman of surgery at the University and director of the course, and **Dr. Leo G. Rigler,** head of radiology at the university, led a symposium on intestinal obstruction, April 3. Dr. Allen also delivered the annual Clarence M. Jackson lecture April 1 on "The Management of Acute Upper Gastrointestinal Hemorrhage."

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Dr. C. W. Truesdale, Glencoe, attended the New Orleans Graduate Medical Assembly in New Orleans, Louisiana, in March.

* * *

Dr. Roy H. Good became associated with Dr. Paul Swedenburg, Glenwood, in medical practice on March 1, 1954. Dr. Good is a recent graduate of the University of Minnesota Medical School and previously practiced in southern Minnesota. He is a veteran of three years' service with the United States Navy.

* * *

Dr. Roy Burt, Anoka, spoke to the members of the Cambridge P.T.A. on March 15. His topic was "Mental Health." Dr. Burt is a member of the executive board of the Minnesota congress of parents and teachers, and is chairman of its human relations and citizenship committee.

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Dr. Robert N. Barr, deputy executive health officer of the Minnesota health department, spoke on "Rehabilitation" at the Midway Lions club meeting on March 15.

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Dr. Donald B. Simonson was elected chief of Fairview hospital medical staff at the March staff meeting. Other officers elected were: **Dr. Rudolph W. Koucky,** vice chief; **Dr. Harry B. Hall,** secretary; and **Dr. Maurice G. Gilbert,** treasurer. The executive committee includes the officers and **Doctors Donald B. Frand, Richard C. Gaard, Harold R. Leland, Glenn L. Peterson** and **Ragnar T. Soderlind.**

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Dr. Robert N. Barr, University state health department, was the guest speaker at the Women's section of the Industrial Safety school in Duluth.

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Dr. Warren L. Kilmer, International Falls, left the first part of March to accept a surgical residence fellowship in a Chicago hospital. The fellowship is for a four-year period, and in addition to his residency he will be employed as a physician by the United States Steel Corporation in Gary, Indiana.

* * *

Dr. C. W. Rumpf, Faribault, recently returned from Korea, where he was Deputy Surgeon of the Eighth Army, was the guest speaker at the annual Father and Son banquet at the St. Luke Evangelical and Reformed Church on February 22.

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The story of Swift county's tuberculosis accreditation was related in the March issue of *Everybody's Health,* state Christmas Seal magazine. Pictured in the magazine were residents of Swift County who participated in the ceremony. Speaker at the accreditation, **Dr. L. S. Jordan,** superintendent of Riverside Sanatorium, Granite Falls, made special mention of the tuberculosis control work done by the late Dr. C. L. Scofield of Benson, a pioneer in tuberculosis work in Minnesota.

* * *

Dr. Carl J. Potthoff, Rochester, was one of the featured speakers at the seventh annual interim session of the Montana Medical Association in Helena, March 4 and 5. Dr. Pothoff spoke on "Recent Developments Toward a Vaccine Against Poliomyelitis."

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On Tuesday, February 16, **Dr. R. V. Williams,** Rushford, marked the fiftieth anniversary of medical practice. Dr. Williams is a graduate of Northwestern University, Evanston, Illinois. He spent his internship at Cook County Hospital, Chicago. In February, 1904, he went into practice in Rushford.

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Dr. Agnes Marie Hoeger, medical missionary to New Guinea, now studying public health at the University of Minnesota, addressed the members of Alpha Epsilon Iota, medical sorority at a noon meeting on March 9.

* * *

Inability of state hospitals to hire physicians and psychiatrists because of a shortage of doctors was

one of the problems that confronted legislators, hospital officials and others that participated in a mental health conference in Minneapolis, on March 18. The conference was called by **Dr. Ralph Rossen,** superintendent of Hastings state hospital and Minnesota's first mental health commissioner.

* * *

Dr. W. F. Maetz has been appointed to the medical staff of the Anoka State Hospital; he assumed his duties March 1. He practiced in New Prague until about ten years ago when he moved to Saint Paul.

* * *

Dr. Kristofer Hagen, who has been associated with Dr. Theodore Greenfield at the Cokato Hospital since September, 1952, left in March to open a practice in Richfield. Dr. Hagen went to Cokato after serving as a medical missionary in India. Previously he had served with the army in Europe.

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Dr. Richard A. DeWall, Anoka, has left Mork's Clinic to do research work at the University of Minnesota hospital.

* * *

The Minnesota Heart association presented a course in cardiovascular disease in the University of Minnesota Center for Continuation Study, March 22-24. **Dr. Samuel A. Levine,** clinical professor of medicine, Harvard University, presented the annual George E. Fahr lectures. His subject was "Some Pitfalls in the Care of Cardiacs."

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Dr. Paul M. Smith, Lake Crystal, enrolled in a four weeks' course in surgery at the Cook County Medical School in March.

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Dr. O. M. Odlund, Granite Falls, will spend Tuesday and Friday afternoons at the Maynard Clinic, according to arrangements completed between the Maynard Clinic Board and members of the Granite Falls Clinic staff.

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Dr. R. E. Risch has opened a new office building at 2915 Johnson St., N.E., Minneapolis. Having been in practice at 2854 Johnson St., N.E., since 1936, he now has an associate with him, **Dr. Paul V. Cummiskey,** Mankato. Dr. Cummiskey was graduated from the University of Minnesota. He practiced in Fresno, California and in Graceville, Minnesota, before joining Dr. Risch.

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Dr. J. S. Blumenthal spoke to the dietitians at the Continuation Center, Friday, March 5, on "Diets in Allergic Diseases."

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Dr. Merrill D. Chesler, Minneapolis, has announced the removal of his offices to 600 Physicians and Surgeons Building. His practice is limited to Plastic and Reconstructive Surgery.

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The management of common medical problems involving the eyes, ears and upper respiratory tract were stressed at the course for general physicians at the Continuation Center. The course was under the direction of **Dr. L. R. Boies,** head of the department of ophthalmology and otolaryngology, and **Dr. Erling W. Hansen,** director of the division of ophthalmology.

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Dr. Howard M. Frykman, Minneapolis, spoke on the topic "Office Proctology" at the monthly meeting of the Chippewa County Medical Society held at Chippewa Falls, Wisconsin, on March 9.

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Dr. J. R. Balach has been named chairman for the business division for West Duluth for the American Red Cross Drive.

* * *

Dr. William B. Martin, Rochester, addressed the St. Louis County Medical Society. He spoke on atrio-septal defects.

* * *

Veterans administration officials have asserted emphatically that the Fort Snelling, St. Cloud, Fargo and Minot hospitals, among other VA hospitals, are on the national accredited list. The statement was made after the VA hospitals were omitted from the annual published listing. Phil Fordyce, VA director of public relations at Fort Snelling, telephoned Dr. Edwin Crosby, Chicago, director for the joint commission of accreditation, regarding the omission. Dr. Crosby explained that the VA hospitals are listed separately in the back of the accreditation book and were thus inadvertently overlooked. The explanation came after VA hospital doctors protested the omission.

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Dr. C. G. Sheppard and **Dr. Elmer W. Lippmann,** Hutchinson, left by plane March 21 for Cleveland, where they attended the annual meeting of the American Academy of General Practice.

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The Rochester state hospital announced in March that it had received a $31,000 grant from the Louis W. and Maud Hill Family foundation, Saint Paul, for a statewide two-year study on the prediction and control of Huntington's chorea. The study will begin July 1, under the direction of **John S. Pearson,** the hospital's chief clinical superintendent, and **Dr. Jorde A. Lazarte,** assistant superintendent. Faculty members of the University of Minnesota and the Mayo foundation will assist.

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Dr. William P. Shepard, vice president in charge of health and welfare for the Metropolitan Life Insurance Company, will speak at the Middle States Public Health association meeting in the Hotel Saint Paul, June 2-4.

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The alumni of the Cyrus Fishermen's College, of which **Dr. Herman Linde** is the dean, held its sixteenth annual banquet at Cyrus, on April 30. Dr. O. J. Jerde, St. Cloud State Teachers College, was the guest speaker.

Drs. Walter H. Ude, C. N. Borman and **Eugene E. Ahern,** Diplomates of the American Board of Radiology, announce the opening of enlarged new offices at 250 Medical Arts Building, Minneapolis. They will continue to maintain the offices at 701 LaSalle Building.

* * *

Dr. H. O. McPheeters, Minneapolis, recently spent the month of March in the Hawaiian Islands and reported a very fine vacation. While there he spoke before the Honolulu County Medical Society in Honolulu and the Maui County Medical Society on the Island of Maui, on the treatment of varicose veins.

* * *

Dr. Alan Challman, Minneapolis, has been selected by the Surgeon General, U. S. Army, for a thirty-day tour in the Far East, as a civilian Consultant in Psychiatry. He left April 6 and will return about the middle of this month. The tour includes visits to military installations in Japan, Korea, Okinawa, and Hawaii, for the purpose of improving the quality of medical care and instruction.

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Dr. John W. Schumacher, Minneapolis, spoke to an adult education class at the Y.W.C.A. in Minneapolis, on "Common Misconception in Psychiatry" on March 15. Following the talk there was a question-and-answer period, at which time the various members asked questions about Psychiatry and its relationship to medicine.

* * *

Dr. Michael Danyluk, on April 1, 1954, became associated in the general practice of medicine at 1518 East Lake Street, Minneapolis, with **Dr. S. M. Lagaard.** On July 1, 1954, Dr. Danyluk will take over the entire practice since Dr. Lagaard will then specialize in the field of orthopedic surgery.

* * *

Dr. H. S. Diehl, dean of the medical sciences at the University of Minnesota, has been selected as one of three United States delegates to the annual assembly of the World Health Organization to be held in Geneva, Switzerland, May 4-22. Accompanied by Mrs. Diehl, Dean Diehl will fly to Geneva. The other two delegates to the assembly will be Dr. Leonard A. Scheele, United States surgeon general, and Dr. Chester S. Keefer, assistant secretary for health and medical affairs of the United States Department of Health, Education and Welfare.

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Dr. and **Mrs. H. W. Meyerding,** Rochester, left March 29 for a two-month trip to South America. They will visit many of the places they toured in 1950. En route they attended the dinner of the International College of Surgeons in New York. Their first stop was Trinidad, then the Isle of Barbados, Bahai, Rio de Janeiro, Santos, Sao Paulo, Montevideo and Buenos Aires will be visited before returning to Santos and Sao Paulo where Dr. Meyerding will speak before the Brazilian and Argentine Orthopedic Society of which he is a member.

Dr. Albert V. Stoesser, Minneapolis, spoke on "Eczema and Urticaria" and on "Incidence and Treatment of Headaches Due to Allergy in Children" at the meeting of the American College of Allergists held in Miami Beach in April. He also took part in a round-table discussion on "Pitfalls in the Diagnosis and Management of Asthma."

* * *

Dr. and **Mrs. Titus C. Kreuzer,** Marshall, recently returned from a six weeks' vacation in Mexico. While in Mexico City Dr. Kreuzer attended the Pan American Congress of Otorhinolaryngology and Bronchoesophagology. They also visited Cuernavaca and Guadalajara. Dr. Kreuzer had previously become acquainted with Drs. Luis Martinez, Jr. and Jose Sanchez Cortes, heads of the departments of Ophthalmology and Otorhinolaryngology of the Guadalajara University School of Medicine. They requested Dr. Kreuzer to demonstrate his bloodless tonsillectomy. He performed six tonsillectomies before the Academy of Ophthalmology and Otorhinolaryngology and for ten days instructed the residents in the technique.

* * *

Dr. Owen H. Wangensteen, recognized as one of the world's outstanding leaders in the field of cancer surgery and the early diagnosis of cancer, addressed a dinner meeting in Winona on April 12, in observance of Cancer Crusade Month. His topic was "In This Great and Urgent Cause."

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Dr. Russell L. Cox has recently been added to the staff of the Jackson Medical Center, Jackson. Dr. Cox is a radiologist and makes his home in Estherville, Iowa. He will be at the Medical Center in Jackson on Tuesdays and Fridays.

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Drs. E. J. Baldes and **Jan Tillisch,** Rochester, attended the meeting of the Aero Medical association in Washington, D. C. Dr. Baldes is a member of the executive council and Dr. Tillisch is on the committee on aviation medical training.

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Dr. M. B. Dockerty, Rochester, was on a tour of duty as resident consultant for the Armed Forces Institute of Pathology in Washington, D. C. He gave a demonstration and a lecture at the institute and also gave a demonstration at the Walter Reed General Hospital. During his stay in Washington Dr. Dockerty was the guest speaker at a meeting of former fellows of the Mayo Foundation. He spoke on New Developments at the Mayo Clinic.

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On April 1, 1954, **Dr. J. P. Grahek,** Ely, purchased the partnership interest of **Dr. H. N. Sutherland** in the Shipman Hospital and Clinic. Simultaneously Dr. Grahek announced that two doctors have accepted positions with the hospital staff. It is anticipated that two more doctors will join the staff about July 1, bringing the total to five, Dr. Grahek stated. First of the new staff members, is **Dr.**

Frederick Colosey, Hartford, Connecticut. He received his pre-medical training at Trinity College in Hartford and then continued his training at Temple University in Philadelphia, where he received his medical degree. He served his internship in Frankfort Hospital in Philadelphia. The second new staff member is **Dr. Edward W. Ciriacy,** Philadelphia, Pennsylvania, who also received his medical degree from Temple University. He later completed a post-graduate course in surgery techniques and procedures at Frankfort and Temple Hospitals. Following his internship at Frankfort Hospital, he served on the staff of the Chestnut Hill Hospital which also is located in Philadelphia.

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Dr. William A. Jordan, Minnesota Department of Health, spoke on the new fluoride treatment for the prevention of tooth decay and showed pictures to illustrate this work at the Parent Teachers Association meeting in Lafayette in March.

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Research in the field of heart trouble was outlined to members of the Exchange Club at their weekly meeting in Hotel Saint Paul by **Dr. Ivan G. Baronofsky,** associate professor of surgery at the University of Minnesota. Dr. Baronofsky, also director of post-graduate surgical education at Ancker Hospital, reviewed what has been done to date on the problem of heart disease and latest surgical technique.

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Dr. Ralph E. Smith, Department of Medicine at the Veterans and University Hospitals, Minneapolis, was the guest consultant discussing valvular heart disease at the March meeting of the McLeod County Medical Society in Glencoe.

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Dr. Arthur N. Antonow has joined the staff of the East Range Clinic as obstetrician and gynecologist. He and his family have moved to Virginia from Highland Park, Illinois, where he was associated with Dr. A. F. Lash in the practice of obstetrics and gynecology. He was trained at the Cook County Hospital and Chicago Maternity Center and was also a member of the staff at Michael Reese Hospital in Chicago.

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Dr. Robert W. Bachmeyer, Canton, Ohio, hospital administrator, is the choice of St. Barnabas hospital board to succeed **Dr. Karl S. Klicka,** who has resigned to become administrator of Presbyterian Hospital, Chicago. Dr. Bachmeyer has been administrator of Aultman Hospital in Canton since 1947. He served his residency in hospital administration at St. Luke's Hospital, New York, and then was assistant director at the Hospital for Special Surgery, New York, until 1942, when he entered military work with the United States public health service. Following his discharge from the army, he became assistant director of Children's Hospital in Boston, before going to Aultman.

Thirty-four fellows, including twelve from foreign countries, began studies with the Mayo Foundation, Rochester, for the spring quarter.

* * *

Dr. J. Burns Amberson, New York, world authority on chest diseases, delivered the annual John W. Bell tuberculosis lecture in Minneapolis April 5. **Dr. John H. Moe,** Hopkins, president of the Hennepin County Medical Society, presided over the meeting. The John W. Bell lecture is co-sponsored by the Hennepin County Medical Society and the Hennepin County Tuberculosis Association. The Bell lecture brings outstanding tuberculosis authorities to Hennepin County.

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Dr. William F. Maloney, acting assistant dean of the Medical School at the University of Minnesota, was guest consultant at the first of two scheduled clinical conferences held for the medical staff of the Itasca County Memorial Hospital in Grand Rapids on April 14. Dr. Maloney presented case histories of patients with heart diseases. He also discussed with the medical staff some of the recent techniques and methods being employed in the diagnosis and treatment of cardiac disorders.

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Lieutenant (jg) John E. Indihar, son of **Dr.** and **Mrs. J. E. Indihar,** Chisholm, has been assigned to the Oakland, California, Naval Supply Center. The twenty-eight-year-old physician was called to active duty in the Navy last September. He had been serving at the Naval Medical Center, Bethesda, Maryland, until his assignment to Oakland. Dr. Indihar was engaged in general practice in Ely and Virginia before he entered the service.

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Dr. Harold J. Walder, Duluth clinic urologist, spoke on the increase in certain types of cancer in the Duluth area at the noon meeting of the Rotary Club, April 8.

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Dr. Clyde A. Undine, Minneapolis, attended the National convention of the American College of Physicians held in Chicago, April 5-9.

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Dr. Paul Winchell, department of medicine at the Variety Club Heart Hospital, was guest consultant at the first of two clinical conferences held for the medical staff of St. Mary's Hospital in Detroit Lakes, on April 14. Dr. Winchell is doing research on various disease conditions of the heart and is well qualified to evaluate some of the techniques and methods now being used in diagnosis and treatment of heart diseases.

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Minneapolis Veterans Administration Hospital will take part in a co-operative research program with other VA hospitals to provide more accurate standards for diagnosing and treating heart and lung diseases. **Dr. John A. Seaberg,** hospital manager, said measurement of heart and lung functions has

been carried on at the hospital for several years. Studies at the Minneapolis hospital are being conducted by **Dr. Ralph Smith,** cardiology service, and **Dr. Frank Martin,** tuberculosis service.

* * *

Dr. Rudi Schmid, University of Minnesota instructor in medicine, has been awarded a special $6,000 research fellowship by the National Institutes of Health. The one-year fellowship begins July 1. Dr. Schmid will study at Columbia University. Dr. Schmid, a native of Switzerland, spent his residency at University Hospitals in 1948. He has been an instructor of internal medicine since 1952.

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Dr. Nicholas H. Zeller has joined the staff of the Worthington Clinic as a specialist in internal medicine. Dr. Zeller comes to Worthington from the Veterans Administration Hospital in Saint Louis, Missouri, where he held the position of assistant chief of medicine. He graduated from the University of Minnesota in 1946 and since that time he has been taking specialty training in internal medicine at the Saint Louis Hospital.

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Dr. William J. Muesing joined the Seifert Clinic in New Ulm early in April. He recently completed a four-year residency in general surgery with the Youngstown, Ohio, Hospital Association. Dr. Muesing attended St. Olaf College and the University of Minnesota, graduating from the University Medical School in 1946. He took his internship at the San Diego, California, Naval Hospital.

* * *

Dr. Alan Hodges, head of the Southern Minnesota Mental Health Clinic at Albert Lea, discussed his work with the mentally retarded at the meeting of the Austin Association for the Mentally Retarded in April. In an informal question-answer session, Dr. Hodges outlined the services offered and the mental illnesses treated at the clinic.

MINNESOTA BLUE SHIELD-BLUE CROSS

Already, in the February monthly report of Blue Shield affairs, it is evident that more of the Blue Shield subscriber's dollar is being spent for claims. This was the Board of Directors' purpose in increasing the benefits or fees which became effective for services rendered subscribers on and after January 1, 1954. Up to the present time, a significant proportion of the claims processed are for services rendered prior to the first of this year. Consequently, the full effect of the increased fees is not readily predictable even though the trend of the increase in claims cost is apparent.

During 1953, 76.8 per cent of the cash earned from subscribers was devoted to the cost of claims. This was a distinct increase over 1952 when 70.2 per cent of this income was disbursed for claims. For January of this year, this percentage increased to 77.2 and again in February it increased to 77.9. Even though these increases are slight, it is assumed they indicate a trend. The latter figure is more impressive considering the fact that it is a short month and, also, since a not inconsiderable proportion of the claims involved services uninfluenced by the increases of fees which became effective the first of this year.

Other features of the report for February emphasize the fact that while the trends shown are apparent, the time has been too short to make broad conclusions. For instance, the proportions of claims involving surgery and obstetrics are practically the same as last year, whereas, there is a definite increase in claims involving medical care, x-rays and anesthesia. If the present trend continues throughout the year, medical care services will experience about a ten per cent increase in general and emergency medical care services almost a 50 per cent increase. Based on data in the February report, claims for anesthesia may show a final ten per cent increase and x-ray claims about five per cent.

Increased cost of claims is important in its relationship to the organization's reserves for future medical and surgical care and contingencies. In fact, as soon as such reserve funds began to approach the level which has been recommended for soundness and security, more money was allocated by the Board of Directors to increased benefits. It was the result of this policy that many of the fees were increased the first of January, 1954. In the light of these facts, it is important that while for the year 1953, 14.1 per cent of gross income was transferred to unassigned surplus to meet contingencies, only 10.7 per cent has been allocated to such reserves during the first two months of 1954. That this percentage is likely to decrease throughout the year is evident from the fact that in February it was only 9.2 per cent.

From the facts presented, it is obvious that the increased benefits or fees are already requiring an increase in the percentage of income spent from medical-surgical-obstetrical claims, and that a decreasing percentage is available for reserves. However, these developments are in keeping with the non-profit motive of Blue Shield and also with the Board of Directors' policy to return as much of the income to subscribers in the form of benefits for various types of doctors' services as is financially sound.

HOSPITAL NEWS

Following is a list of the officers of the staff of Hibbing General Hospital and department heads for the year 1954:

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BOOK REVIEWS

Books listed here become the property of the Ramsey, Hennepin and St. Louis County Medical Libraries when reviewed. Members, however, are urged to write reviews of any or every recent book which may be of interest to physicians.

TUBERCULOSIS IN CHILDHOOD AND ADOLESCENCE. By F. J. Bentley, M.D., F.R.C.P., D.P.H., Senior Physician, and S. Grzybowski, M.D., M.R.C.P., Senior Registrar, High Wood Hospital for Children, Brentwood, Essex; and B. Benjamin, B.Sc., F.I.A., formerly Statistician, London County Council. Preface by Sir Robert Young, C.B.E., M.D., F.R.C.P. Foreword by Wilfrid Sheldon, C.V.O., M.D., F.R.C.P. 272 pages. Illus. Price $5.00. London: National Association for Prevention of Tuberculosis, 1954.

This must surely be the first major project of clinical research arising from the National Health Service since the new scheme for decentralized research was set out in 1953. In point of fact, the present study was commenced shortly after the National Health Service was inaugurated, although final arrangements for decentralized research have only recently been promulgated.

The work is based on an experience of over 1,000 children treated in sanatorium and followed up for an average period of six years. A special investigation into the clinical and pathological details surrounding the deaths from tuberculosis of 100 unselected London children is also included, and this reveals the extent to which death from this disease in childhood may be preventable.

The practical management of tuberculosis in children has so far presented a confused and uncertain picture and this has probably arisen from an acceptance of the pattern of the disease as it has been so fully studied and understood in adults. It is the authors' contention that, apart from those rare instances of the adult type of the disease, pulmonary tuberculosis in childhood presents an entirely different clinical picture. Data are provided, for example, which demonstrate that the extent of the radiological shadows in primary disease is often of very little prognostic significance.

The various manifestations of the disease in childhood and adolescence are considered from the aspect of incidence, diagnosis, prognosis and treatment in such a way that the publication can be used as a text-book.

An original picture of the possible connections between primary tuberculosis and the adult type of disease is outlined in a chapter on pathogenesis. Although some of these views may be found controversial, they should certainly stimulate further thought and research on this important subject which, for so long, has been dominated by theories formulated in the early years of the present century.

As Dr. Sheldon states in his Foreword, High Wood Hospital—the largest hospital for pulmonary tuberculosis in children in the country—was an ideal field for observation. In addition to the prolonged period of residential treatment, over 90 per cent of the cases were followed up for many years. No other centre could have supplied so much information and particularly is this the case in the section dealing with chronic pulmonary tuberculosis (the adult type of the disease)—a section described by Dr. Sheldon as unique.

The authors' findings demonstrate that our methods of dealing with the disease in children have become unsatisfactory and call for an overhaul of both clinical and administrative arrangements.

The book will also be of great value in those parts of the world where the main battle against tuberculosis has still to be fought, as the fundamental pattern of tuberculosis shows striking similarities although its tempo may vary from country to country.

RECENT ADVANCES IN CARDIOVASCULAR PHYSIOLOGY AND SURGERY. A symposium presented by the Minnesota Heart Association and the University of Minnesota at the University of Minnesota in September, 1953. Edited by Grace M. Roth, Ph.D., Rochester, Minnesota, Chairman of the Committee for the Symposium. 132 Pages. Illus. Paper binding, $1.00. Saint Paul: Minnesota Heart Association, 532 Endicott-on-Fourth, 1954.

This symposium brings together the important contributions of a representative group of investigators from various parts of the United States, Canada, and Europe, and was designed to include discussion of the various aspects of new knowledge in cardiovascular physiology and surgery.

Subjects covered in the three-day symposium are: Heart Muscle Contraction, Regulation of the Circulation, Measurements of Pressure and Flow, Differential Diagnosis of Various Defects by Physiologic Means, Recent Advances in Surgical Treatment of Heart Disease. The George Fahr Lecture on the Physiology of Congestive Failure of the Circulation, presented at an evening session, adds to the comprehensive scope of the presentation.

Contributors to the symposium include:

Wilfried F. H. M. Mommaerts, Western Reserve University School of Medicine, Cleveland; Olle Snellman, University of Uppsala, Uppsala, Sweden; Torgny Sjostrand, Karolinska Hospital, Stockholm, Sweden; Otto H. Gauer, Aero Medical Laboratory, Wright Air Development Center, Dayton. Robert F. Rushmer, University of Washington School of Medicine, Seattle; Richard W. Stow, Ohio State University College of Medicine, Columbus; Erik Wetterer, University of Munich, Western Germany; Earl H. Wood, Mayo Foundation, Rochester; C. W. Sheppard, Oak Ridge National Laboratory, Oak Ridge; John W. Remington, Medical College of Georgia, Augusta; Homer R. Warner, University of Utah College of Medicine, Salt Lake City; Lewis Dexter, Harvard University Medical School, Boston; H. J. S. Swan, Mayo Foundation, Rochester; Charles T. Dotter, University of Oregon Medical School, Portland; Robert P. Glover, Hahnemann Medical College and Hospital, Philadelphia; John H. Gibbon, Jefferson Medical College, Philadelphia; W. C. Bigelow, University of Toronto, Toronto, Canada; Henry Swan, University of Colorado School of Medicine, Denver; Willis J. Potts, Northwestern University Medical School, Chicago; Dwight F. Harken, Harvard University Medical School, Boston; William F. Hamilton, Medical College of Georgia, Augusta.

This is a valuable addition to any physician's or surgeon's library and should be of particular interest to those specializing in cardiology.

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Lindahl, Merlyn J.....Sherburn
McGroarty, John J.....Easton
Mills, John L.....Winnebago
§ Misbach, William D.....Fairmont
§ Nickerson, John R.....Fairmont
§ Nickerson, Neil D.....Fairmont
§ Ourada, Anthony L.....Ceylon
Parsons, Ralph L.....Monterey
‡ Rollins, Troy G.....Hoopa, Calif.
† Rowe, William H.....Fairmont
§ Russ, Homer H.....Blue Earth
§ Smith, Don V.....Blue Earth
§ Snyder, Clifford D.....Kiester
§ Thayer, Ellsworth A.....Fairmont
Vaughan, Victor M.....Truman
§ Virnig, Mark P.....Wells
§ Virnig, Richard P.....Wells
§ Wandke, Otto E.....Fairmont
Watkins, John A.....Wells
§ Williamson, Harold A.....Fairmont
Wilson, Clyde E.....Blue Earth
§ Zemke, Erhart E.....Fairmont
Ziegler, Robert G.....Welcome

BROWN COUNTY MEDICAL SOCIETY

Regular meetings, quarterly
Annual meeting, January
Number of Members—34

President
Fritsche, Theodore R.....New Ulm

Secretary
Fritsche, Carl J.....New Ulm

§ Black, William A.....New Ulm
* Bregel, Fred L.....St. James
§ Cairns, Robert J.....Redwood Falls
Carthey, Frank J.....New Ulm
§ Dubbe, Fredk. H.....New Ulm
§ Dysterheft, Adolf F.....Gaylord
§ Fesenmaier, Otto B.....New Ulm
Flinn, James B.....Redwood Falls
§ Fritsche, Albert.....New Ulm
§ Fritsche, Carl J.....New Ulm
§ Fritsche, Theodore R.....New Ulm
† Glaeser, John H.....Minneapolis
Goblirsch, Andrew P.....Sleepy Eye
Hedlund, Charles J.....St. James
Hovde, Rolf.....Winthrop
Inglis, William.....Redwood Falls
§ Kaiser, Milton L.....New Ulm
§ Keithahn, Elmer E.....Sleepy Eye
‡ Kitzberger, P. J.....Bainbridge, Md.
§ Kruzick, S. J.....Sleepy Eye
§ Kusske, A. L.....New Ulm
† Kusske, B. W.....St. Louis Park
Mattson, Albert D.....St. James
Nuessle, Walter G.....Springfield
† O'Leary, John B.....Minneapolis
§ Penk, Engward L.....Springfield
Peterson, Roy A.....Vesta
Rayner, Ralph R.....Gibbon
§†Reineke, George F.....New Ulm
§ Saffert, Cornelius A.....New Ulm
Schroeppel, John E.....Winthrop
§ Seifert, Otto J.....New Ulm
§ Vogel, Howard A. L.....New Ulm
Wisness, Osmund A.....Comfrey
§ Wohlrabe, Edwin J.....Springfield

CAMP RELEASE DISTRICT MEDICAL SOCIETY

Chippewa, La Qui Parle and Yellow Medicine Counties
Regular meetings, 2nd and 4th weeks of April, May and September
Annual meeting third Thursday in October
Number of Members—32

President (Inactive)
Boody, George, Jr.....Dawson
Acting President
Barr, Ronald W.....Montevideo
Secretary
Lima, L. R., Jr.....Montevideo
§ Allen, John H.....Montevideo
Anderson, Chester A.....Madison
§ Barr, Ronald W.....Montevideo
§ Burns, Floyd M.....Milan
§ Burns, M. Alpheus.....Milan
Carroll, John J.....Montevideo
‡ Flom, Robert S.....Echo
Guilbert, G. D.....Waukesha, Wis.
§ Hartfiel, Herbert.....Montevideo
§ Hauge, Malvin I.....Clarkfield
§ Hudec, Elwyn R.....Echo
Hudspeth, William T.....Madison

Hustad, Edward G.....Montevideo
‡ Johnson, Curtis M.....Dawson
§ Johnson, Vilhelm M.....Dawson
† Jordan, Kathleen B.....Granite Falls
Jordan, Lewis S.....Granite Falls
§ Kaufman, William C.....Appleton
§ Krystosek, Lee A.....Clara City
† Lee, Walter N.....Claremont, Calif.
§ Lima, Ludvig, Jr.....Montevideo
§ Lundell, Carl L.....Granite Falls
§ Odland, Olin M.....Granite Falls
§ Owens, William A.....Montevideo
§ Pertl, Albert L.....Canby
§ Plucker, Milton W.....Clarkfield
§ Roust, Henry A.....Montevideo
§ Schmidt, P. G., Jr.....Granite Falls
§ Smith, Leon G.....Montevideo
§ Westby, Magnus.....Madison
§ Westby, Norval M.....Madison
§ Wilcox, G. Charles.....Woodlake

CLAY-BECKER COUNTY MEDICAL SOCIETY

Regular meeting, none. Annual meeting, November 30
Number of Members—25

President
Johnson, Olga.....Moorhead

Secretary
Dodds, William C.....Detroit Lakes

*†Aborn, W. H.....Hawley
§ Bigler, Earl E.....Perham
§ Bigler, Ivan E.....Perham
Bottolfson, Bottolf T.....Moorhead
§ Carlson, Vernon J.....Moorhead
§ Dodds, William C.....Detroit Lakes
§ Duncan, James W.....Moorhead
Geib, Marvin J.....Moorhead
† Hagen, Olaf J.....Moorhead
§ Houglum, Arvid J.....Lake Park
§ Humphrey, Edward W.....Moorhead
§ Humphrey, Edward W., Jr...Moorhead
Johnson, Olga H.....Moorhead
§ Larson, Arnold.....Detroit Lakes
§ Lorentzen, Ernest.....Detroit Lake
§ Midthune, A. S.....Lake Park
§ Moberg, Clarence.....Detroit Lakes
§ Odland, Mark E.....Detroit Lakes
§ Oliver, James.....Moorhead
§ Otto, Henry C.....Frazee
§ Rice, Hagbart G.....Moorhead
§ Rutledge, Lloyd.....Detroit Lakes
Saxman, Gertrude Olsen.....Georgetown
* Seitz, S. B.....Barnesville
§ Simison, Carl.....Barnesville
† Thysell, Fred A.....Moorhead
§ Thysell, Vernon D.....Hawley

EAST CENTRAL MINNESOTA MEDICAL SOCIETY

Anoka, Chisago, Isanti, Kanabec, Mille Lacs, Pine and Sherburne Counties
Regular meetings, first Tuesday of February, April, June, August, October and December
Annual meeting, first Tuesday in December
Number of Members—39

President
Hubin, Edwin G.....Sandstone

Secretary
Tesch, Gordon H.....Elk River

Adkins, Galen H.....Anoka
§ Albrecht, H. H.....Chisago City
‡ Baars, C. W.....Camp Cook, Calif.
§ Berge, Harry L.....Mora
‡ Beyer, Eugene.....San Francisco, Calif.
§ Blomberg, Wm. R.....Princeton
† Bossert, Clarence S.....Mora
§ Bunker, B. W.....Anoka
§ Burseth, Edgar C.....Mora
† Dredge, Homer P.....Sandstone
§ Gully, Raymond J.....Cambridge
Halpin, Joseph E.....Rush City
‡ Henry, Harold W.....Benton, Ill.
Holmes, Alva E.....Rush City
§ Hubin, Edwin G.....Sandstone
Johnson, Aldridge F.....Isle
§ Kapsner, Alfred T.....Princeton
† Kelsey, Carleton G.....Saint Paul
Kragh, Lyle O.....Braham
Krieser, Albert E.....Anoka
§ Larson, Gerald E.....Cambridge
‡ Lorton, Wm. L.....Rochester
‡ Mach, Ralph F.....Minneapolis
‡ Magnuson, R. C.....Cambridge
§ March, Kenneth A.....Cambridge
§ McManus, William F.....Princeton
‡ Metcalf, Norman B.....Princeton
§ Nordman, Willard F.....Mora
Nygren, William T.....Braham
§ Roehlke, Arthur B.....Elk River
* Schlesselman, George H.....Minneapolis
§ Sherman, Hubert T.....Cambridge
Spurzem, R. J.....Anoka
‡ Stahn, Louis H.....El Paso, Texas
§ Stratte, Alf K.....Pine City
§ Swensen, R. G.....North Branch
§ Tesch, Gordon H.....Elk River
Vik, Melvin.....Anoka
† Waller, Jos. D.....Pine City
Woyda, William C.....Elk River

FREEBORN COUNTY MEDICAL SOCIETY

Regular meetings, every two months, third Thursday
Annual meeting, December
Number of Members—29

President
Hansen, Theodore M.....Albert Lea

Secretary
Steiner, Leon E.....Albert Lea

§ Barr, Lowell C.....Albert Lea
Burns, Catherine.....Albert Lea
§ Butturff, Carl R.....Freeborn
†§Calhoun, F. W.....Albert Lea
§ Demo, Robert A.....Albert Lea
§ Donovan, Daniel L.....Albert Lea
§ Egge, Sanford.....Albert Lea
§ Ellertson, Leonard.....Albert Lea
§ Erdal, Ove A.....Albert Lea
§ Folken, Frank G.....Albert Lea
† Freeman, John P.....Glenville
* Freligh, W. P.....Albert Lea
† Gullickson, Andrew.....Longmont, Colo.
§ Hansen, Theodore M.....Albert Lea
Kaasa, Lawrence J.....St. Peter
† Kamp, Bryon A.....Albert Lea
§ Keil, Marcus A.....Albert Lea
† Leopard, Brand A.....Brownsville, Texas
Miller, Samuel.....Albert Lea
Neel, Harry B.....Albert Lea
§ Nelson, Clayton E.....Albert Lea
§ Nesheim, Martin O.....Emmons
Palmer, Clinton F.....Albert Lea
§ Person, John P.....Albert Lea
§ Prins, Leo R.....Albert Lea
§ Schmidt, Ruben F.....Alden
§†Schultz, J. Albert.....Albert Lea
§ Sherman, Alfred G.....Albert Lea
§ Steiner, Leon E.....Albert Lea
§ Whitson, Sidney A.....Albert Lea

GOODHUE COUNTY MEDICAL SOCIETY

Regular meeting, none
Annual meeting, December
Number of Members—28

President
Bridge, Ezra V.....Cannon Falls

Secretary
Hawley, George M. B.....Red Wing

Aanes, Almer M.....Red Wing
§ Akins, Willard M.....Red Wing
Allen, George S.....Cannon Falls
‡ Bagby, George W.....
Ft. Leonard Wood, Mo.
‡ Boswell, J. T.....Portsmouth, Va.
Bridge, Ezra V.....Cannon Falls
§ Brusegard, James F.....Red Wing
Claydon, Howard F.....Red Wing
§ DeGeest, James H.....Goodhue
‡ Dovenmuehle, R. H.....Durham, N. C.
Flom, Martin G.....Zumbrota
§ Graves, Richard B.....Red Wing
§ Hartnagel, G. F.....Red Wing
§ Hawley, G. M. B., II.....Red Wing
§ Hedin, Raymond F.....Red Wing
† Jones, Alvah W.....Red Wing
§ Juers, Edward H.....Red Wing
§ Kimmel, George C.....Red Wing
§ Larson, Oliver E. H.....Zumbrota
§ Liffrig, William W.....Red Wing
§ Miller, Winston R.....Red Wing
Molenaar, Robert E.....Cannon Falls
§ Sherman, Royal V.....Red Wing
† Smith, Myron W.....Red Wing
§ Steffens, Leon A.....Red Wing
§ Wasmund, Clarence W.....Red Wing
Weiss, Carl A.....Hastings
§ Williams, M. R.....Cannon Falls

HENNEPIN COUNTY MEDICAL SOCIETY

Regular meetings, first Monday of each month
Annual meeting, first Monday in October
Number of Members—923

President
Moe, John H. ..... Minneapolis
Secretary
Holmberg, Conrad J. ..... Minneapolis
Executive Secretary
Cook, Thomas P. ..... Minneapolis

Abramson, Milton ..... Minneapolis
Adkins, Charles D. ..... Minneapolis
§ Ager, Ernest A. ..... Minneapolis
§ Agustsson, Hreidar ..... Minneapolis
§ Ahern, Eugene E. ..... Minneapolis
§ Alexander, Harlan A. ..... Minneapolis
§ Aling, Chas. A. ..... Minneapolis
Althausen, Theodore L. ..... Minneapolis
§ Altnow, Hugo O. ..... Coral Gables, Fla.
§ Andersen, Silas C. ..... Minneapolis
Anderson, Arnold S. ..... St. Louis Park
§ Anderson, David M. ..... Minneapolis
† Anderson, Edward ..... Minneapolis
† Anderson, Ernest ..... Minneapolis
§ Anderson, Frank J. ..... Minneapolis
§ Anderson, Karl W. ..... Minneapolis
Anderson, Richard W. ..... Minneapolis
Anderson, Roger L. ..... Minneapolis
§ Anderson, U. Schuyler ..... Minneapolis
Anderson, Wallace E. ..... Lakeville
§ Anderson, William H. ..... Minneapolis
Anderson, William T. ..... Minneapolis
Andreassen, Einar ..... Saint Paul
§ Andreassen, Rolf ..... Minneapolis
§ Andresen, K. D'A. ..... Minneapolis
§ Andrews, Robert S. ..... Minneapolis
§ Ankner, Frank J. ..... Minneapolis
Archer, Willard E. ..... Anoka
Arends, Archabald L. ..... Richfield
§ Arey, S. Lane ..... Minneapolis
§ Arlander, Clarence E. ..... Minneapolis
§ Arling, Leonard S. ..... Minneapolis
§ Arms, James J. ..... Minneapolis
Arnold, Anna W. ..... Minneapolis
§ Arvidson, Carl G. ..... Minneapolis
†§ Aune, Martin ..... Minneapolis
† Aurand, Wm. H. ..... Minneapolis
§ Baggenstoss, O. J. ..... Minneapolis
Bagley, Russell F. ..... Minneapolis
§ Baird, Joe W. ..... Minneapolis
§ Baken, Melvin P. ..... Minneapolis
Baker, A. B. ..... Minneapolis
Baker, Alfred T. ..... Minneapolis
† Baker, Looe ..... Minneapolis
§ Baker, Milton E. ..... Minneapolis
§ Baleisis, Peter ..... Minneapolis
§ Balkin, Saml. G. ..... Minneapolis
Balogh, Charles J. ..... Minneapolis
Bank, Harry E. ..... San Francisco, Calif.
‡§ Barno, Alex ..... St. Louis Park
§ Barr, Maxwell ..... Minneapolis
Barr, Robert N. ..... Minneapolis
Barron, Jesse J. ..... Minneapolis
†§ Barron, Moses ..... Minneapolis
Barron, S. Steven ..... Minneapolis
†‡ Baxter, Stephen H. ..... Minneapolis
§ Beach, Northrop ..... Minneapolis
† Becker, Arnetta ..... Minneapolis
§ Bedford, Edgar W. ..... Minneapolis
§ Beirstein, Saml. ..... Minneapolis
§ Beiswanger, Richard H. ..... Minneapolis
† Bell, E. T. ..... Minneapolis
§ Bellville, Titus P. ..... Minneapolis
§ Belzer, Meyer S. ..... Minneapolis
Benesh, Louis A. ..... Minneapolis
*† Beniamin, A. E. ..... Minneapolis
§ Benjamin, Edwin G. ..... Minneapolis
§ Beniamin, Harold G. ..... Minneapolis
Benson, Ellis S. ..... Minneapolis
Berger, Alex G. ..... Minneapolis
§ Bergh, George S. ..... Minneapolis
Bergh, Solveig M. ..... Minneapolis
Berglund, Eldon B. ..... Minneapolis
§ Berkwitz, N. J. ..... Minneapolis
Berman, Reuben ..... Minneapolis
Bernstein, I. C. ..... Minneapolis
§ Bessesen, A. N., Jr. ..... Minneapolis
† Bessesen, Wm. A. ..... Minneapolis
Bieter, Raymond ..... Minneapolis
§ Bilka, Paul J. ..... Minneapolis
§ Binder, Manuel ..... Minneapolis
Bjornson, Robt. ..... New York, N. Y.
§ Blake, A. J. ..... Hopkins
§ Blake, Allen J. ..... Hopkins
§ Blake, James A. ..... Hopkins
§ Blake, Paul S. ..... Hopkins
§ Bloedel, T. J. G. ..... Osseo
§ Bloom, Norman B. ..... Minneapolis
§ Blumenthal, Jacob S. ..... Minneapolis
Bockman, Michael W. H. .....
Hot Springs Nat'l Park, Ark.
‡ Bodelson, A. H. ..... Fulda
§ Boehrer, John J. ..... Minneapolis
Bofenkamp, Benjamin ..... Minneapolis
‡§ Bohn, Donald G. ..... Minneapolis
§ Boies, Lawrence R. ..... Minneapolis
† Booth, Albert E. ..... Minneapolis
Boreen, Clifton A. ..... Minneapolis
†§ Borgeson, Egbert J. ..... Saint Paul
§ Borman, Chauncey N. ..... Minneapolis
§ Borowicz, Leonard A. ..... Minneapolis
§ Bowers, Gordon G. ..... Minneapolis
Boynton, Ruth E. ..... Minneapolis
§ Bratrud, Arthur F. ..... Minneapolis
‡ Breitenbucher, R. B. ..... Columbia, S. C.
§ Brekke, Harvey J. ..... Minneapolis
Bridge, Allyn G. ..... Minneapolis
Brill, Alice K. ..... Minneapolis
† Brooks, Charles N. ..... Minneapolis
† Brown, Edgar D. ..... Paynesville
Brown, Ian A. ..... Minneapolis
Brown, Wm. D. ..... Minneapolis
§ Buchstein, Harold F. ..... Minneapolis
§ Buirge, Raymond E. ..... Minneapolis
Bulkley, Kenneth ..... Minneapolis
§ Burnham, Wesley ..... Minneapolis
§ Bushard, Wilford J. ..... Minneapolis
§ Buzzelle, Leonard ..... Minneapolis
§ Cable, Morris L. ..... Minneapolis
§ Cabot, Clyde M. ..... Minneapolis
*§ Cabot, V. S. ..... Minneapolis
Cady, Lawrence H. ..... Minneapolis
Cameron, Isabell L. ..... Minneapolis
Campbell, Lowell M. ..... Minneapolis
§ Campbell, Orwood J. ..... Minneapolis
§ Caplan, Leslie ..... Minneapolis
‡§ Card, Wm. H. ..... Minneapolis
§ Carey, James B. ..... Minneapolis
§ Carlander, Lester W. ..... Minneapolis
§ Carlson, Lawrence ..... Minneapolis
§ Carlson, Leonard T. ..... Minneapolis
§ Caron, Robert P. ..... Minneapolis
§ Caspers, Carl G. ..... Minneapolis
†§ Cavanor, Frank T. ..... Minneapolis
§ Ceder, Elmer T. ..... Minneapolis
Challman, Samuel A. ..... Minneapolis
§ Chavez, Demetrio A. ..... Minneapolis
Chesler, Merrill ..... Minneapolis
† Chesley, Albert J. ..... Minneapolis
§ Chisholm, Tague C. ..... Minneapolis
§ Christensen, L. E. ..... Minneapolis
* Christianson, H. W. ..... Minneapolis
Clarke, Eric K. ..... Minneapolis
§ Clay, Lyman B. ..... Minneapolis
§ Cochrane, Ray F. ..... Minneapolis
Coe, John I. ..... Minneapolis
§ Cohen, Bernard ..... Minneapolis
Cohen, Ephraim B. ..... Minneapolis
Cohen, Maynard M. ..... Saint Paul
§ Cohen, Sumner S. ..... Oak Terrace
Condit, Wm. H. ..... Minneapolis
§ Cooper, John P. ..... Excelsior
§ Cooper, Robert R. ..... Minneapolis
Corniea, Albert D. ..... Minneapolis
§ Correa, Dale H. ..... Minneapolis
Cowan, Donald W. ..... Minneapolis
Craig, M. Elizabeth ..... Minneapolis
§ Cranmer, Richard R. ..... Minneapolis
Cranston, Robt. W. ..... Minneapolis
§ Creevy, Chas. D. ..... Minneapolis
§ Creighton, Ralph H. ..... Minneapolis
§ Culligan, Leo C. ..... Minneapolis
§ Cundy, Donald T. ..... Minneapolis
† Cutts, George ..... Minneapolis
Dady, Elmer E. ..... Minneapolis
§ Daggett, Donald R. ..... Minneapolis
§ Dahl, Elmer O. ..... Minneapolis
‡ Dahl, James C. ..... Minneapolis
§ Dahl, John A. ..... Minneapolis
§ Daniel, Donald H. ..... Minneapolis
Danyluk, Michael ..... Minneapolis
§ Dargay, Cyril P. ..... Minneapolis
§ David, Reuben ..... Minneapolis
§ Davis, Jay C. ..... Minneapolis
§ Davis, Wm. I. ..... Mound
Dawson, Lorin D. ..... Minneapolis
§ Del Plaine, Carlos W. ..... Minneapolis
§ Devereaux, Thos. J. ..... Wayzata
Dewall, Richard ..... Minneapolis
§ Diefenbach, Eugene J., Jr. ..... Minneapolis
§ Diehl, Harold S. ..... Minneapolis
Diessner, Henry D. ..... Minneapolis
§ Donatelle, E. P. ..... Minneapolis
§ Dorge, Richard I. ..... Minneapolis
Dornbach, Robert A. ..... Excelsior
† Dornblaser, H. B. ..... Minneapolis
§ Dorsey, George C. ..... Minneapolis
† Doxey, Gilbert L. ..... Minneapolis
§ Doyle, Lawrence O. ..... Minneapolis
†§ Drake, Charles R. ..... Minneapolis
§ Dredge, Thomas E. ..... Minneapolis
§ Drill, Herman E. ..... Hopkins
§ Duff, Edwin R. ..... Minneapolis
Dummer, Donald J. ..... Minneapolis
§ Dunlap, Earl H. ..... Minneapolis
§ Dupont, Joseph A. ..... Excelsior
§ Duryea, Willis M. ..... Minneapolis
† Dutton, C. E. ..... Minneapolis
§ Dvorak, Benjamin A. ..... Minneapolis
§ Dwan, Paul F. ..... Minneapolis
§ Dworsky, Samuel D. ..... Minneapolis
§ Ehrenberg, Claude J. ..... Minneapolis
§ Ehrlich, Sol P. ..... Minneapolis
§ Eich, Matthew ..... Minneapolis
§ Eichhorn, Edmund P. ..... Minneapolis
Eisenstadt, David ..... Minneapolis
§ Eisenstadt, Wm. S. ..... Minneapolis
§ Eitel, George D. ..... Minneapolis
§ Ellison, David E. ..... Minneapolis
§ Ellison, Ellis ..... Minneapolis
§ Emond, Albert J. ..... Farmington
Emond, J. S. ..... Farmington
Engel, Joseph P. ..... Minneapolis
§ Engelhart, P. C. ..... Minneapolis
Englund, Elvin F. ..... Minneapolis
§ Engstrand, Oscar J. ..... Minneapolis
§ Erickson, C. O. ..... Minneapolis
‡§ Erickson, Laurence F. ..... Minneapolis
§ Erickson, Myron E. ..... Minneapolis
§ Erickson, Reuben F. ..... Minneapolis
§ Ericson, Reinhold M. ..... Wayzata
Esensten, Sidney ..... Minneapolis
§ Evans, Edward T. ..... Minneapolis
Evans, Robt. D. ..... Minneapolis
Fahr, George ..... Minneapolis
§ Fansler, Walter A. ..... Minneapolis
§ Feeney, John M. ..... Minneapolis
‡§ Feigal, D. W. ..... Air Base, Wyoming
Feinberg, Philip ..... Minneapolis
§ Feinstein, Julius Y. ..... Minneapolis
§ Fenger, E. P. K. ..... Oak Terrace
Field, Charles W. ..... Minneapolis
§ Fingerman, David L. ..... Minneapolis
§ Fink, Leo Wm. ..... Oak Terrace
§ Fink, Walter H. ..... Oak Terrace
§ Fisher, Isadore I. ..... Oak Terrace
† Fitzgerald, D. F. ..... Wayzata
†§ Fieldstad, Christian A. ..... Minneapolis
§ Fleeson, Wm. H. ..... Minneapolis
† Fleming, A. S. ..... Madison, N. J.
Fleming, Dean S. ..... Hopkins
§ Fliehr, Richard R. ..... Minneapolis
Flink, Edmund B. ..... Minneapolis
§ Foker, Leslie W. ..... Minneapolis
§ Folsom, Louis B. ..... Minneapolis
§ Ford, Wm. H. ..... Minneapolis
§ Foster, Orley W. ..... Minneapolis
Fowler, Lucius H. ..... Minneapolis
§ Fox, James R. ..... Minneapolis
§ Frane, Donald B. ..... Minneapolis
† Frear, Rosemary ..... Minneapolis
§ Fredericks, Geo. M. ..... Minneapolis
Freeman, Craig W. ..... Minneapolis
§ Freeman, Donald W. ..... Minneapolis
§ French, Lyle A. ..... Minneapolis
§ Frey, Richard J. ..... Minneapolis
Friberg, Jos. ..... Minneapolis
§ Fried, Louis A. ..... Minneapolis
§ Friedell, Aaron ..... Minneapolis
§ Friedman, Harry S. ..... Minneapolis
§ Friedman, Jack ..... Minneapolis
Friend, Charles A. ..... Minneapolis
§ Frost, John B. ..... Minneapolis
§ Frost, Russell H. ..... Minneapolis
§ Frykman, Howard M. ..... Minneapolis
Fuller, Alice H. ..... Minneapolis
§ Funk, Victor K. ..... Oak Terrace
Furman, Lucie C. ..... Minneapolis
§ Gaard, Richard C. ..... Minneapolis
§ Gallett, L. E. ..... Minneapolis
† Galligan, Margaret ..... Minneapolis
§ Galloway, John B. ..... Minneapolis

§ Gammell, John H. ..... Minneapolis
§ Garske, George L. ..... Minneapolis
Garten, Joseph L. ..... Minneapolis
§ Gaviser, David ..... Minneapolis
§ Gibbs, Robert W. ..... Minneapolis
§ Giebenhain, John N. ..... Minneapolis
§ Giere, Jos. C. ..... Minneapolis
§ Giere, Richard W. ..... Minneapolis
Gilbert, Maurice G. ..... Minneapolis
Gingold, Benj. A. ..... Minneapolis
† Girvin, Richard B. ..... Minneapolis
§ Goldberg, I. M. ..... Minneapolis
§ Goldman, T. I. ..... Minneapolis
§ Goldner, Meyer Z. ..... Minneapolis
§ Goltz, Robert ..... Minneapolis
§ Good, Hoff D. ..... Minneapolis
Gordon, Philip E. ..... Minneapolis
Gordon, Sewell S. ..... St. Louis Park
‡§ Grais, Melvin L. ..... Colorado Springs, Colo.
Grant, Suzanne ..... Minneapolis
§ Gratzek, F. R. E. ..... Minneapolis
Gray, Royal C. ..... Minneapolis
Green, Robert A. ..... St. Louis Park
§ Greenberg, A. J. ..... Minneapolis
§ Greenfield, Irving ..... Minneapolis
† Greishiemer, E. M. ..... Philadelphia, Pa.
Grimes, Marian ..... Minneapolis
§ Gronvall, Paul R. ..... Minneapolis
§ Grotting, J. K. ..... Minneapolis
‡ Gullickson, Glen, Jr. ..... Bethesda, Md.
§ Gunlaugson, E. G. ..... Minneapolis
§ Gushurst, Edward G. ..... Minneapolis
§ Gustason, Harold T. ..... Minneapolis

Haberer, Helen R. ..... Minneapolis
§ Hagen, Wayne S. ..... Minneapolis
† Haggard, G. D. ..... Minneapolis
§ Hall, Harry B. ..... Minneapolis
§ Hall, Wendell H. ..... Minneapolis
Hallberg, Chas. A. ..... Minneapolis
§ Hannah, Hewitt B. ..... Minneapolis
§ Hansen, Cyrus O. ..... Minneapolis
§ Hansen, Erling W. ..... Minneapolis
Hansen, Olga S. ..... Minneapolis
‡§ Hansen, R. M. ..... Falls Church, Va.
§ Hanson, Harlow J. ..... Minneapolis
Hanson, Henry V. ..... Minneapolis
§ Hanson, Malcolm B. ..... Minneapolis
§ Hanson, Mark C. L. ..... Minneapolis
§ Hanson, Wm. A. L. ..... Minneapolis
§ Happe, Laurence J. ..... Minneapolis
Harris, L. D. ..... Minneapolis
Hartman, Evelyn ..... Minneapolis
§ Hass, Fredk. M. ..... Minneapolis
§ Hastings, Def. R. ..... Minneapolis
§ Hastings, Donald W. ..... Minneapolis
§ Hauge, Erling T. ..... Minneapolis
‡§ Haugen, George W. ..... San Francisco, Calif.
Haugen, John A. ..... Minneapolis
Hauser, George W. ..... Minneapolis
‡ Havel, Robert J. ..... Minneapolis
§ Haven, Walter K. ..... Minneapolis
§ Hawkinson, R. P. ..... Minneapolis
Hayes, Jame M. ..... Minneapolis
§ Hays, Albert T. ..... Minneapolis
§ Head, Douglas P. ..... Minneapolis
§ Hebbel, Robert ..... Minneapolis
‡§ Heisler, John J. ..... Minneapolis
Hempel, Dean J. ..... Minneapolis
† Hendrickson, J. F. ..... Minneapolis
§ Henrikson, E. C. ..... Minneapolis
† Henry, Clifford E. ..... Kirksville, Mo.
* Henry, M. O. ..... Minneapolis
Herbert, Willis L. ..... Minneapolis
§ Hermann, Harold W. ..... Minneapolis
† § Higgins, John H. ..... Minneapolis
Hill, Earl ..... Minneapolis
§ Hill, Elmer M. ..... Minneapolis
† § Hillis, S. J. ..... East Bradenton, Fla.
Hinckley, Robert G. ..... Minneapolis
§ Hirshfield, Frank R. ..... Minneapolis
§ Hitchcock, Claude R. ..... Minneapolis
Hoffbauer, F. W. ..... Minneapolis
§ Hoffert, Henry E. ..... Minneapolis
§ Hoffman, R. E. ..... Minneapolis
§ Hoffman, Walter L. ..... Minneapolis
§ Holmberg, Conrad J. ..... Minneapolis
§ Holzapfel, Fred C. ..... Minneapolis
‡ Horns, Howard L. ..... Colo. Springs, Colo.
§ Horns, Richard C. ..... Minneapolis
† Houkom, Biarne ..... T. T. East Africa
‡ Houle, Rollin J. ..... New Brighton
Hovland, Melvin L. ..... Minneapolis
Howard, Robert B. ..... Minneapolis
Howard, S. E. ..... Minneapolis
§ Howell, Carter W. ..... Minneapolis
§ Huenekens, E. J. ..... Minneapolis
*† § Hultkrans, J. C. ..... Minneapolis
§ Hultkrans, R. E. ..... Minneapolis

† Hurd, Annah ..... Minneapolis
‡ Hutchinson, C. J. ..... Providence, R. I.
§ Hymes, Charles ..... Minneapolis
† Hynes, John E. ..... Minneapolis
Ide, Arthur W., Jr. ..... Minneapolis
§ Idstrom, Linneus G. ..... Minneapolis
† Irvine, Harry G. ..... Minneapolis
§ Iverson, Rolf M. ..... Minneapolis
Jacobson, Loren J. ..... Minneapolis
§ Jacobson, W. E. ..... St. Louis Park
§ Jay, Alan R. ..... Minneapolis
‡ Jensen, Adrian R. ..... Long Island, N. Y.
§ Jensen, Harry C. ..... Minneapolis
§ † Jensen, M. J. ..... Minneapolis
§ Jensen, N. K. ..... Minneapolis
Jensen, Reynold A. ..... Minneapolis
Jerome, Bourne ..... Minneapolis
Jerome, Elizabeth ..... Minneapolis
‡ Jeub, R. P. ..... San Antonio, Texas
§ Johnson, Arthur B. ..... Minneapolis
§ Johnson, August E. ..... Minneapolis
§ Johnson, Emil W. ..... Minneapolis
Johnson, Frank E. ..... Minneapolis
§ Johnson, Harry A. ..... Minneapolis
§ Johnson, James A. ..... Minneapolis
§ Johnson, John W. ..... Minneapolis
§ Johnson, Malcolm R. ..... Minneapolis
Johnson, Norman P. ..... Minneapolis
§ Johnson, Norton T. ..... Minneapolis
§ Johnson, Reinald G. ..... Minneapolis
§ Johnson, Reuben A. ..... Minneapolis
§ Johnson, Robert E. ..... Minneapolis
Johnson, Roger S. ..... Wayzata
Johnson, Youbert T. ..... Minneapolis
§ Jones, David G. ..... Minneapolis
§ † Jones, H. W., Jr. ..... Minneapolis
§ Jones, Richard ..... Minneapolis
§ Jones, Wm. R. ..... Minneapolis
Josewich, Alexander ..... Minneapolis
Judd, Allen S. ..... Minneapolis
§ Judd, W. H. ..... Washington, D. C.
§ Juhl, John H. ..... Minneapolis
§ Jurdy, Mitchell J. ..... Minneapolis
Kadesky, Harold B. ..... Minneapolis
§ Kalin, Oscar T. ..... Minneapolis
§ Kallestad, Leonard L. ..... Wayzata
Kantar, Bruce L. ..... Minneapolis
§ Kaplan, Harold A. ..... Minneapolis
§ Kaplan, John J. ..... Minneapolis
Karlan, Markle ..... Minneapolis
§ Karleen, Conrad I. ..... Minneapolis
† Katz, Yale J. ..... Minneapolis
Kaufman, H. J. ..... Minneapolis
§ Kelby, Gjert M. ..... Minneapolis
§ Kelly, Chas. F. ..... Minneapolis
§ Kelly, John P. ..... Minneapolis
§ Kennedy, Claude C. ..... Minneapolis
† Kennedy, Jane F. ..... Minneapolis
§ Kerkhof, Arthur C. ..... Minneapolis
Kiesler, Frank, Jr. ..... Minneapolis
† King, E. A. ..... Minneapolis
King, Frances W. ..... Oak Terrace
§ Kinsella, Thos. J. ..... Minneapolis
Kistler, Alvin J. ..... Minneapolis
§ Klicka, Karl S. ..... Minneapolis
Kline, Richard F. ..... Wayzata
§ Knapp, Miland E. ..... Minneapolis
§ Knight, Ralph T. ..... Minneapolis
† Knight, Ray R. ..... Minneapolis
Knudsen, Helen L. ..... Minneapolis
§ Koepcke, Gerald M. ..... Minneapolis
Koller, Herman ..... Minneapolis
Koller, Louis R. ..... Minneapolis
Koller, Robert ..... Minneapolis
Korchik, John P. ..... Minneapolis
Kosiak, John ..... Minneapolis
Kottke, Frederic J. ..... Minneapolis
§ Koucky, Rudolph W. ..... Minneapolis
§ Kovack, Freeman D. ..... Minneapolis
§ Kremen, Arnold J. ..... Minneapolis
§ Kucera, Frank J. ..... Hopkins
§ Kucera, Wm. J., Sr. ..... Minneapolis
§ Kucera, W. J., Jr. ..... Minneapolis
§ Kusz, Clarence V. ..... Minneapolis
§ LaBree, John ..... St. Louis Park
Lagaard, Sheldon M. ..... Minneapolis
Lajoie, John M. ..... Minneapolis
§ Lamb, H. Douglas ..... Minneapolis
§ Lang, Leonard A. ..... Minneapolis
Lange, Robert D. ..... Minneapolis
§ Lapierre, Arthur P. ..... Minneapolis
Lapierre, Jean T. ..... Minneapolis
§ Larsen, Frank W. ..... Minneapolis
§ Larson, Clarence M. ..... Minneapolis
§ Larson, Donald M. ..... Minneapolis
§ Larson, Lawrence M. ..... Minneapolis
§ Larson, Leonard M. ..... Oak Terrace
§ Larson, Loren ..... Minneapolis
Larson, Ralph H. ..... Anoka
Larson, Roger C. ..... Minneapolis

† LaVake, Rae T. ..... Minneapolis
§ Laymon, Carl W. ..... Minneapolis
† Lazar, Henry L. ..... Excelsior
† Leavitt, H. H. ..... Phoenix, Ariz.
Lebowske, Jos. A. ..... Minneapolis
§ Leemhuis, Andrew J. ..... Minneapolis
§ Leland, Harold R. ..... Minneapolis
§ Lenz, Otto A. ..... Minneapolis
§ Leonard, Lawrence J. ..... Minneapolis
§ Leonard, Saml. ..... Minneapolis
Lerner, A. Ross ..... Minneapolis
§ Lewis, F. John ..... Minneapolis
Lillehei, C. Walton ..... Minneapolis
Lillehei, Elmer J. ..... Robbinsdale
‡ Lind, C. J., Jr. ..... Ft. Sam Houston, Texas
Lindberg, Arvid C. ..... Minneapolis
§ Lindberg, Vernon L. ..... Minneapolis
Lindberg, Winston R. ..... Minneapolis
Lindemann, Charles E. ..... Minneapolis
Lindgren, Russell C. ..... Minneapolis
Lindner, Janus C. ..... Minneapolis
§ Lindquist, Richard H. ..... Minneapolis
§ Linner, Gunnar ..... Minneapolis
§ Linner, Henry P. ..... Minneapolis
§ Linner, John H. ..... Minneapolis
§ Linner, Paul W. ..... Minneapolis
Lippman, Emanuel S. ..... Minneapolis
§ Lipschultz, Oscar ..... Minneapolis
§ Litchfield, John T. ..... Minneapolis
Litman, Abraham B. ..... Minneapolis
Lober, Paul H. ..... Minneapolis
§ Lofsness, S. V. ..... Oak Terrace
† § Logefeil, Rudolph C. ..... Minneapolis
Loomis, Earl A. ..... Minneapolis
§ Lott, F. H. ..... Minneapolis
Lovett, Beatrice R. ..... Oak Terrace
Lowry, Elizabeth ..... Minneapolis
§ Lowry, Paul ..... Minneapolis
Lowry, Thomas ..... Minneapolis
§ Lueck, W. W. ..... Minneapolis
§ Lufkin, Nathaniel H. ..... Minneapolis
Lund, George ..... Minneapolis
Lundberg, Ruth I. ..... Minneapolis
Lundblad, Roy A. ..... Minneapolis
Lundblad, S. W. ..... Minneapolis
*§ Lundgren, A. C. ..... Minneapolis
§ Lundquist, V. J. P. ..... Minneapolis
† Lynch, Matthew J. ..... Minneapolis
Lysne, Henry ..... Minneapolis
§ Lysne, Myron ..... Minneapolis
Lysyj, Anatol ..... Minneapolis

§ MacDonald, D. A. ..... Minneapolis
MacDonald, John W. ..... Minneapolis
§ Mach, Frank B. ..... Minneapolis
§ MacKinnon, Donald C. ..... Minneapolis
*† Macnie, John S. ..... Minneapolis
§ Maeder, Edward C. ..... Minneapolis
§ † Maland, Clarence O. ..... Minneapolis
Maloney, Wm. F. ..... Minneapolis
Mandel, Sheldon L. ..... Minneapolis
§ Mankey, James C. ..... Minneapolis
§ Marking, George H. ..... Minneapolis
§ Martin, George R. ..... Minneapolis
Martinson, Carl J. ..... Wayzata
Martinson, Elmer J. ..... Wayzata
† * Matchan, Glenn R. ..... Saint Paul
§ Mattill, Peter M. ..... Oak Terrace
§ Mattson, H. A. N. ..... Minneapolis
§ Maxeiner, S. R. ..... Minneapolis
§ McCaffrey, Fabein J. ..... Minneapolis
§ McCann, Eugene J. ..... Minneapolis
McCannel, M. A. ..... Minneapolis
McCarthy, Donald ..... Saint Paul
McCartney, J. S. ..... Minneapolis
§ McCormick, D. P. ..... Minneapolis
† McDaniel, Orianna ..... Minneapolis
§ McFarland, A. H. ..... Minneapolis
§ McGandy, Robt. F. ..... Minneapolis
§ McGeary, Geo. E. ..... Minneapolis
§ McInerny, M. W. ..... Minneapolis
McKelvey, John L. ..... Minneapolis
§ McKenzie, Chas. H. ..... Minneapolis
§ McKinley, C. A. ..... Minneapolis
§ McKinney, F. S. ..... Minneapolis
§ McLaughlin, B. H. ..... Minneapolis
§ McMurtrie, Wm. B. ..... Minneapolis
McNeil, John J. ..... Minneapolis
§ McPheeters, H. O. ..... Minneapolis
† McQuarrie, Irvine ..... Minneapolis
§ Meller, Robert L. ..... Minneapolis
§ Merkert, Chas. E. ..... Minneapolis
§ Merkert, Geo. L. ..... Minneapolis
† Merrick, Charlotte T. ..... St. Paul
§ Meyer, Alvin J. ..... Minneapolis
† Meyer, Ette L. ..... Minneapolis
Meyer, Robert J. ..... Minneapolis
Michael, Jos. C. ..... Minneapolis
§ Michel, Henry H. ..... Minneapolis
† Michelsen, Emma F. ..... Minneapolis

§ Michelson, Henry E. ..... Minneapolis
§ Miller, Arden L. ..... Minneapolis
§ Miller, Harold E. ..... Minneapolis
§ Miller, Hugo E. ..... Minneapolis
§ Miller, John C. ..... Minneapolis
§ Millett, D. Keith ..... Minneapolis
§ Milton, John S. ..... Minneapolis
Minsky, Armen A. ..... Minneapolis
Mintz, Charles M. ..... Minneapolis
§ Mitby, Irving ..... Minneapolis
§ Mitchell, Berton D. ..... Minneapolis
Mitchell, E. C. ..... Minneapolis
§ Mitchell, M. T. ..... Minneapolis
‡§Mixer, Harry W. ..... Fort Hood, Texas
§ Moe, John H. ..... Minneapolis
§ Moehn, John T. ..... Minneapolis
§ Moen, J. K., Jr. ..... Minneapolis
† Monahan, Elizabeth S. ..... Minneapolis
§ Monson, Einer M. ..... Minneapolis
§ Moore, Irvin H. ..... Minneapolis
Moorhead, Marie ..... Minneapolis
§ Moos, Daniel J. ..... Minneapolis
*†Moren, Edward ..... Minneapolis
§ Mork, Arthur H. ..... Anoka
§ Mork, Frank E. ..... Anoka
Morrison, Charlotte ..... Minneapolis
§ Mosser, Donn G. ..... Minneapolis
§ Moyer, Leonard B. ..... Minneapolis
§ Mulholland, Wm. M. ..... Minneapolis
Murphy, E. P. ..... Minneapolis
† Murray, Elizabeth M. ..... Minneapolis
Muske, Marvin M. ..... Minneapolis
§ Musty, Nicholas J. ..... Minneapolis
§ Myers, Jay A. ..... Minneapolis
§ Myhre, James A. ..... Minneapolis
§ Naslund, Ames W. ..... Minneapolis
Nauth, Bernard S. ..... Minneapolis
§ Neal, Joe M. ..... St. Paul
§ Neary, Richard P. ..... Minneapolis
Nelson, Bernette G. ..... Minneapolis
Nelson, Bernice A. ..... Minneapolis
Nelson, C. Barton ..... Minneapolis
§ Nelson, Edward N. ..... Minneapolis
§ Nelson, Harvey ..... Minneapolis
§ Nelson, L. S. ..... Minneapolis
Nelson, Maxine O. ..... Minneapolis
§ Nelson, Maynard C. ..... Minneapolis
§ Nelson, O. L. N. ..... Minneapolis
§ Nelson, Wallace I. ..... Minneapolis
§ Nerenberg, Samuel T. ..... Minneapolis
§ Nesbitt, Saml. ..... Minneapolis
§ Nesset, Lauren B. ..... Minneapolis
§ Nesset, Wm. D. ..... Minneapolis
§ Neumeister, Charles ..... Minneapolis
§ Nice, Charles M. ..... Minneapolis
Noonan, Wm. J. ..... Minneapolis
Noran, Axel S. N. ..... Minneapolis
§ Noran, Harold H. ..... Minneapolis
§ Nord, Robert E. ..... Minneapolis
§ Nordin, Gustaf T. ..... Minneapolis
§ Nordland, Martin, Sr. ..... Minneapolis
§ Nordland, Martin, Jr. ..... Minneapolis
§ Norum, Henry A. ..... Minneapolis
Norval, Mildred ..... Minneapolis
† Noth, Henry W. ..... Minneapolis
§ Nydahl, Malvin J. ..... Minneapolis
Nylander, E. G. ..... Minneapolis
O'Donnell, James E. ..... Minneapolis
§ O'Hanlon, John A. ..... Minneapolis
§ O'Phelan, E. Harvey ..... Minneapolis
§†Oberg, Carl M. ..... Minneapolis
Olavs, Olga ..... Minneapolis
§ Olsen, Edw. G. ..... Minneapolis
§ Olson, Alton C. ..... Minneapolis
§ Olson, Carl J. ..... Minneapolis
Olson, C. Kent ..... Minneapolis
Olson, Detlof M. ..... Minneapolis
† Olson, Olof A. ..... Minneapolis
§ Oppen, E. Gerhard ..... Minneapolis
§ Oppen, Melvin G. ..... Wayzata
§ Opstad, Earl T. ..... Oak Terrace
§ Palen, Benjamin J. ..... Minneapolis
Papermaster, T. C. ..... Minneapolis
Park, Wilford E. ..... Minneapolis
Peltier, Leonard F. ..... Minneapolis
‡§Peluso, Charles R. ..... Phoenix, Ariz.
§ Pennard, Thos. A. ..... Minneapolis
§ Perlman, Herschel L. ..... Minneapolis
§ Perlman, Everett C. ..... Minneapolis
§ Peteler, Jennings C. L. ..... Minneapolis
§ Petersen, Glenn L. ..... Minneapolis
*§†Petersen, John R. ..... Minneapolis
Petersen, Peter C. ..... Minneapolis
§ Petersen, William E. ..... Minneapolis
Peterson, Henry ..... Minneapolis
§ Peterson, Herbert W. ..... Minneapolis
§ Peterson, Nordahl P. ..... Minneapolis
Peterson, O. H., Sr. ..... Minneapolis
†§Peterson, O. H., Jr. ..... Minneapolis
§ Peterson, Palmer A. ..... Minneapolis
§ Peterson, Peter E. ..... Minneapolis
§ Peterson, Willard C. ..... Minneapolis
§ Petit, Julien V. ..... Minneapolis
§ Petit, Leon J. ..... Minneapolis
§ Pewters, John T. ..... Minneapolis
§ Peyton, Wm. T. ..... Minneapolis
§ Phelps, Kenneth A. ..... Minneapolis
Plasha, Matthew K. ..... Anoka
§ Plass, H. F. R. ..... Minneapolis
§†Platou, Erling S. ..... Minneapolis
§ Plimpton, N. C., Jr. ..... Minneapolis
§ Pohl, John F. M. ..... Minneapolis
†§Pollock, David K. ..... Minneapolis
§ Polzak, Jacob A. ..... Minneapolis
† Poppe, F. H. ..... Minneapolis
Potek, David ..... Minneapolis
§ Potter, R. B. ..... Minneapolis
† Pratt, F. J., Sr. ..... Minneapolis
‡§Pratt, F. J., Jr. ..... N. Y., N. Y.
Preine, Irving A. ..... Osseo
§ Preston, Paul J. ..... Minneapolis
§ Priest, Robt. E. ..... Minneapolis
§†Prim, Jos. A. ..... Minneapolis
§ Proffit, Wm. E. ..... Minneapolis
§ Proshek, Chas. E. ..... Minneapolis
§ Quello, Robert O. ..... Minneapolis
§†Quist, Henry W., Sr. ..... Minneapolis
§ Quist, H. W., Jr. ..... Minneapolis
§ Ransom, H. R. ..... Osseo
§ Reader, Donald R. ..... Minneapolis
§ Regnier, Edward A. ..... Minneapolis
Reid, Lewis M. ..... Minneapolis
§ Reif, Harold A. ..... Minneapolis
§ Reiley, Richard E. ..... Minneapolis
Reitmann, John H. ..... Anoka
Remole, William D. ..... Minneapolis
§ Resch, Joseph A. ..... Minneapolis
§ Rice, Carl O. ..... Minneapolis
Rice, Frank B. ..... Minneapolis
§ Rice, Fred A. ..... Minneapolis
§ Richdorf, Lawrence F. ..... Minneapolis
§ Rieke, W. W. ..... Wayzata
Rigler, Leo G. ..... Minneapolis
Riordan, Elsie M. ..... Minneapolis
§ Risch, Ronald E. ..... Minneapolis
§ Rizer, Dean K. ..... Minneapolis
Rizer, Robert I. ..... Minneapolis
Robb, Edwin F. ..... Minneapolis
§ Robbins, Owen F. ..... Minneapolis
Roberts, Byron H. ..... Minneapolis
§ Roberts, Lewis J. ..... Minneapolis
§ Roberts, Stanley W. ..... Minneapolis
†§Roberts, Wm. B. ..... Minneapolis
Robinson, C. O. ..... Minneapolis
§ Rocknem, Robert E. ..... Minneapolis
§ Rockwell, C. V. ..... Minneapolis
† Rodda, Fredk. C. ..... Minneapolis
§ Rodgers, Richard S. ..... Minneapolis
‡ Romness, Kenneth ..... Mound
† Rosander, Phyllis ..... Minneapolis
§ Rosenbaum, D. L. ..... Minneapolis
§ Rosendahl, F. G. ..... Minneapolis
§ Rosenfield, A. B. ..... Minneapolis
§ Rosenow, John H. ..... Minneapolis
† Rosenwald, R. M. ..... Anoka
§ Ross, A. J. ..... Minneapolis
Rossen, Ralph ..... Hastings
§ Rothnem, Morris ..... Minneapolis
§ Rucker, Wm. H. ..... Minneapolis
Rud, Norman E. ..... Minneapolis
Rudell, Gustaf ..... Minneapolis
§ Russeth, Arthur N. ..... Minneapolis
§ Rusten, Elmer M. ..... Minneapolis
Rydburg, Wayne C. ..... Minneapolis
§ St. Cyr, Harry M., Jr. ..... Robbinsdale
§ St. Cyr, Kenneth J. ..... Robbinsdale
§ Sadler, Wm. P., Jr. ..... Minneapolis
§ Saliterman, B. I. ..... Minneapolis
§ Samuelson, Saml. ..... Minneapolis
§ Sandt, Karl E. ..... Minneapolis
§ Sawatzky, W. A. ..... Minneapolis
§ Sborov, A. M. ..... Minneapolis
§ Schaaf, F. H. K. ..... Minneapolis
Schaar, Frances E. ..... Minneapolis
Schaefer, W. G. ..... Minneapolis
† Scheldrup, N. H. ..... Minneapolis
§ Scherer, Leslie R. ..... Minneapolis
Scherling, Sidney S. ..... Minneapolis
§ Schiele, Burtrum C. ..... Minneapolis
Schissel, Gregory A. ..... Minneapolis
§ Schmidt, W. R. ..... Minneapolis
† Schmitt, S. C. ..... El Cajon, Calif.
Schneck, Jack I. ..... Waukesha, Wisc.
§ Schottler, Max E. ..... Minneapolis
§ Schroeder, A. J. ..... Minneapolis
Schultz, Donald O. ..... Minneapolis
§ Schultz, J. H. ..... Minneapolis
§ Schultz, P. J. ..... Minneapolis
§ Schulze, Wm. M. ..... Minneapolis
Schumacher, John ..... Minneapolis
§ Schwartz, E. R. ..... Minneapolis
§ Schwartz, Virgil J. ..... Minneapolis
§ Scott, Horace G. ..... Minneapolis
§ Seaberg, John A. ..... Minneapolis
Seham, Max ..... Minneapolis
Seifert, Milton H. ..... Minneapolis
§ Seljeskog, S. R. ..... Minneapolis
§ Semsch, Robert D. ..... Minneapolis
§ Shandorf, James F. ..... Minneapolis
Shaperman, Eva P. ..... Minneapolis
§ Shapiro, Sidney K. ..... Minneapolis
§ Sharp, David ..... Minneapolis
§ Shaw, Howard A. ..... Minneapolis
§ Shea, Andrew W. ..... Minneapolis
§ Sher, Lewis ..... Minneapolis
§ Sherman, Lloyd F. ..... Minneapolis
Shillington, M. A. ..... Minneapolis
§ Shronts, John F. ..... Minneapolis
§ Siegmann, Wm. C. ..... Minneapolis
Silas, Ralph M. ..... Minneapolis
Silver, John D. ..... Minneapolis
§†Simons, Jalmar ..... Minneapolis
§ Simmonson, Donald B. ..... Minneapolis
† Simpson, E. De ..... Phoenix, Ariz.
§ Sinykin, M. B. ..... Minneapolis
Siperstein, D. M. ..... Minneapolis
‡§Sisterman, Thomas J. ..... Minneapolis
† Sivertsen, Andrew ..... Minneapolis
†§Sivertsen, Ivar ..... Minneapolis
§ Skjold, Arthur C. ..... Minneapolis
† Smiley, John T. ..... Minneapolis
§ Smisek, F. M. E. ..... Minneapolis
Smith, Adam M. ..... Minneapolis
§ Smith, Archie M. ..... Minneapolis
§ Smith, Baxter A., Jr. ..... Minneapolis
§ Smith, Graham G. ..... Minneapolis
† Smith, Homer R. ..... Minneapolis
† Smith, Margaret I. ..... Robbinsdale
§ Smith, Norvin R. ..... Willmar
§ Smith, Theo. S. ..... Minneapolis
§ Smith, Wm. T. ..... Minneapolis
§ Soderlind, Ragnar ..... Minneapolis
§ Solhaug, Saml. B. ..... Minneapolis
§ Solvason, Harold M. ..... Minneapolis
§ Spano, Jos. P. ..... Minneapolis
Spencer, Bernard J. ..... Minneapolis
§ Spink, Wesley W. ..... Minneapolis
§ Sponsel, Kenath ..... Minneapolis
† Spratt, Chas. N. ..... Minneapolis
§ Stahr, Aubrey C. ..... Hopkins
§ Stanford, Charles E. ..... Minneapolis
‡ Staub, Henry P. ..... Minneapolis
† Steigler, Farrell S. ..... St. Paul
§ Stelter, Lloyd A. ..... Minneapolis
§ Stennes, John L. ..... Minneapolis
Stenstrom, Annette E. T. ..... Minneapolis
Sterrie, Norman A. ..... Minneapolis
Stewart, Marvin J. ..... Minneapolis
§ Stewart, Rolla I. ..... Minneapolis
§ Stillwell, George K. ..... Minneapolis
§ Stoesser, Albert V. ..... Minneapolis
Stoltz, Robert C. ..... Minneapolis
† Stomel, Joseph ..... Mayview, Pa.
§ Stone, Stanley P. ..... Minneapolis
† Strachauer, A. C. ..... Minneapolis
§ Strickler, Jacob H. ..... Minneapolis
§ Strom, Gordon W. ..... Minneapolis
§ Stromme, William B. ..... Minneapolis
Stromgren, Delph T. ..... Minneapolis
Stroomgren, Delph T. ..... Minneapolis
Strunk, Clarence A. ..... Minneapolis
§ Sturges, Robert L. ..... Minneapolis
§†Subby, Walter ..... Minneapolis
Sukov, Marvin ..... Minneapolis
§ Swain, Francis M. ..... Minneapolis
§ Swanson, Roy E. ..... Minneapolis
§ Sweetser, Horatio B. ..... Minneapolis
§ Sweetser, Theo. H. ..... Minneapolis
Sweetser, Theo. H., Jr. ..... Minneapolis
† Sweitzer, Saml. E. ..... Minneapolis
†§Swendseen, Carl G. ..... Minneapolis
Syverton, Jerome T. ..... Minneapolis

Tam, Ernest C. ..... Minneapolis
§ Tangen, George M. ..... Minneapolis
Taylor, Jos. H. ..... Minneapolis
§ Tenner, Robert J. ..... Minneapolis
† Thomas, George E. ..... Minneapolis
Thomes, A. Boyd ..... Minneapolis
§ Thompson, Willis H. ..... Minneapolis
§ Thorsen, David S. ..... Minneapolis
§ Thorson, Stuart V. ..... Minneapolis
§ Thysell, D. M. ..... Minneapolis
Tichy, Fae Y. ..... Minneapolis
† Tingdale, A. C. ..... Minneapolis
§ Tinkham, Robert G. ..... Minneapolis
§ Titrud, Leonard ..... Minneapolis
§ Tobin, John D. ..... Minneapolis
§ Trach, Benedict B. ..... Minneapolis
§ Trow, James E. ..... Minneapolis
§ Trow, Wm. H. ..... Minneapolis
Trueman, Harold S. ..... Minneapolis

Tsai, Shih Hao.....Oak Terrace
§ Tudor, Richard B.....Minneapolis
*†Tundstead, H. J.....Minneapolis
†§Turnacliff, D. D.....St. Paul
Twomey, John E.....Minneapolis
§ Ude, Walter H.....Minneapolis
†§Ulrich, Henry L.....Minneapolis
§ Ulvestad, Harold S.....Minneapolis
§ Undine, Clyde A.....Minneapolis
Van Buskirk, Chas.....Minneapolis
Vermund, Halvor.....Minneapolis
Vik, A. Elliott.....Minneapolis
Vitols, T. M.....Minneapolis
§ Wahlquist, H. F.....Minneapolis
Waldron, C. W.....Minneapolis
§ Wall, Carl R.....Minneapolis
§ Walonick, Albert L.....St. Louis Park
§ Walsh, Francis M.....Minneapolis
§ Walsh, Wm. T.....Minneapolis
Wangensteen, O. H.....Minneapolis
Ward, Percy A.....Minneapolis
§ Watson, C. Gordon.....Minneapolis
Watson, Cecil J.....Minneapolis
† Weaver, M. Mc.....Vancouver, B. C., Canada
§ Webb, Edgar A.....Minneapolis
Webb, Roscoe C.....Minneapolis
§ Webber, Richard J.....St. Louis Park
§ Weber, Lowell.....Minneapolis
§ Weisberg, R. J.....Minneapolis
§ Wendland, John P.....Minneapolis
† Werner, George.....Minneapolis
† West, Catherine C.....Minneapolis
*§†Wethall, Anton G.....Minneapolis
Wetherby, Macnider.....Minneapolis
Wheeler, Robert W.....Minneapolis
§ White, Asher A.....Minneapolis
§ White, Willard D.....Minneapolis
§ Whitesell, L. A.....Minneapolis
§ Widen, Wilford F.....Minneapolis
*†Wilcox, Archa E.....Minneapolis
† Wilder, Kenneth W.....Minneapolis
§ Wilder, Robert L.....Minneapolis
§ Wilder, R. M., Jr.....Minneapolis
§ Wilken, Paul A.....Minneapolis
† Willcutt, C. E.....Phoenix, Ariz.
† Williams, Robert.....New York, N. Y.
Winchell, Paul.....Minneapolis
Winther, Nora M. C.....Minneapolis
§ Wippermann, Frederic F.....Minneapolis
§ Witham, Carl A.....Minneapolis
Wittich, Fredk. W.....Minneapolis
§ Wohlrabe, Arthur A.....Minneapolis
§ Wohlrabe, A. Cabot.....Minneapolis
§ Wolf, Alfred H.....Minneapolis
Wolter, Frederick H.....Minneapolis
Wright, Thomas D.....Minneapolis
§ Wright, Wale S.....Minneapolis
§ Wright, Wm. S.....Minneapolis
Wyatt, Oswald S.....Minneapolis
Wynne, H. M. N.....Minneapolis
§ Ylvisaker, R. S.....Minneapolis
§ Yoerg, Otto W.....Minneapolis
Zahrendt, O. Lewis.....Minneapolis
§ Zarling, V. Richard.....Minneapolis
§ Zaworski, Leo A.....Minneapolis
§ Zierold, Arthur A.....Minneapolis
§ Zinter, F. A.....Minneapolis
§ Ziskin, Thos.....Minneapolis

KANDIYOHI-SWIFT-MEEKER COUNTY MEDICAL SOCIETY

Regular meetings, third Thursday of each month
Annual meeting, November
Number of Members—49

President
Griffin, R. P.....Benson

Secretary
Opsahl, Lawrence J.....Willmar

Allison, David D.....Litchfield
Anderson, Richard E.....Willmar
Austrian, Sol.....Cosmos
Bosland, Howard G.....Willmar
Bradley, N. J.....Willmar
† Chadbourn, Wayne A.....Minneapolis
Chunn, Stanley S.....Willmar
† Daignault, Oscar.....Benson
† Danielson, Karl A.....Litchfield
Dille, Donald E.....Litchfield
Douglas, Kenneth W.....Willmar
Eberley, Tobe S.....Benson
Ellinger, Albert J.....Willmar
Frederickson, Alice C.....Willmar
† Frost, Edward H.....Willmar
Giere, Silas W.....Benson
Gilman, Lloyd C.....Willmar
Griffin, R. P.....Benson
‡ Guy, Jack A.....New London
Herbst, Richard F.....Willmar
Hinz, Walter E.....Willmar
Hodapp, Robert V.....Willmar
Holm, Donald.....Benson
Houts, Joseph C.....Dassel
Jacobs, Douglas L.....Willmar
†§Jacobs, Johannes C.....Willmar
* Katzberg, Lewis.....Willmar
Kaufman, Edward J.....Appleton
Lundblad, Robert M.....Clara City
Macklin, William, Jr.....Willmar
McCarthy, Austin M.....Willmar
Michels, Roger P.....Willmar
† O'Connor, Daniel C.....Eden Valley
Opsahl, Lawrence J.....Willmar
Ostling, Burton C.....Kerkhoven
Pedersen, Robert L.....Brainerd
† Penhall, Fletcher W.....Willmar
Peterson, Willard E.....Willmar
Proeschel, Ray K.....Willmar
Rorem, Joseph A.....Appleton
Rygh, Harold N.....Atwater
Schnell, Frederick S.....Litchfield
Schutz, John C.....Eden Valley
* Sellers, G. K.....Dassel
Solsem, F. N. S.....Spicer
Sommerness, M. Duane.....Willmar
Sorum, F. T.....Willmar
Sutherland, W. H.....New London
Verby, John E., Jr.....Litchfield
Wilmot, Cecil A.....Litchfield
Wilmot, Harold E.....Litchfield

LYON-LINCOLN COUNTY MEDICAL SOCIETY

Regular meetings, last Tuesday of September, October, April and May
Annual meeting, last Tuesday of October
Number of Members—27

President
Hedenstrom, Philip C.....Marshall

Secretary
Purves, George H.....Hendricks

Bodaski, Albert A.....Tyler
Eckdale, John E.....Marshall
Ferguson, William C.....Walnut Grove
Ford, Burton C.....Marshall
Friedell, George.....Ivanhoe
† Gray, Frank D.....Marshall
Hedenstrom, Philip C.....Marshall
Helferty, J. K.....Boise, Idaho
Hermanson, Peter E.....Hendricks
† Hoidale, Andrew D.....Tracy
Johnson, C. Percy.....Tyler
Kreuzer, Titus.....Marshall
Lee, Norman J.....Tracy
Monson, Leonard J.....Canby
Murphy, Joseph.....Marshall
Peterson, Kenneth A.....Marshall
Purves, George H.....Hendricks
Remsberg, R. R.....Tracy
*†Robertson, J. B.....Minneapolis
Sether, Arthur F.....Ruthton
Smith, Lloyd A.....Willmar
Thompson, Carl O.....Hendricks
Turbak, Charles E.....Canby
§ Vadheim, Alfred L.....Tyler
†§Valentine, Walter H.....Tracy
Wolstan, Simon D.....Minneota
Workman, Warner G.....Tracy
Yaeger, Wilbert W.....Marshall

McLEOD COUNTY MEDICAL SOCIETY

Regular meeting, third Thursday of each month
Annual meeting, third Thursday in December
Number of Members—18

President
Griebie, Grant L.....Brownton

Secretary
Smyth, John J.....Lester Prairie

§ Brink, Donald M.....Hutchinson
† Clement, John B.....Lester Prairie
§ Griebie, Grant L.....Brownton
*§Holm, Hilliard H.....Glencoe
Howell, Milton.....Glencoe
§ Huebert, Dan W.....Hutchinson
§ Jensen, A. M.....Brownton
§ Klima, William W.....Stewart
*†§Leitschuh, Linus F.....Winsted
§ Lippmann, Elmer W.....Hutchinson
§ Neumeier, Arthur.....Glencoe
§ Peterson, Kenneth H.....Hutchinson
Pone, John.....Silver Lake
Sahr, Walter G.....Hutchinson
Scholpp, Otto W.....Hutchinson
§ Selmo, Joseph D.....Norwood
§ Sheppard, C. G.....Hutchinson
‡§Smith, George R.....Hutchinson
§ Smyth, John J.....Lester Prairie
§ Truesdale, Clark W.....Glencoe

MOWER COUNTY MEDICAL SOCIETY

Regular meeting, last Thursday of each month
Annual meeting, December
Number of Members—36

President
Twiggs, Leo F.....Austin

Secretary
Rosenthal, F. H.....Austin

§ Anderson, David P.....Austin
§ Anderson, Harold J.....Austin
§ Anderson, Wallace R.....Austin
§ Barber, Tracy.....Austin
§ Cronwell, Bernhard J.....Austin
Elliot, Harold J.....Hayfield
§ Fisch, Herbert M.....Austin
§ Flanagan, Leonard G.....Austin
§ Grise, William B.....Austin
† Havens, John G. W.....Austin
† Hegge, Olav H.....Austin
§ Hegge, R. S.....Austin
† Hertel, Garfield E.....Austin
§ Hesla, Inman A.....Austin
§ Leck, Paul C.....Austin
‡ Lewis, Joyce, Jr.....Minneapolis
§ Lommen, Peter A.....Austin
McKenna, Elizabeth M.....Austin
§ McKenna, Jay K.....Austin
† Melzer, George R.....Lyle
§ Miller, Herman.....Grand Meadow
Morse, Morton P.....LeRoy
§ Nesse, J. A.....Austin
§ Osborn, Donald D.....Austin
§ Peterson, Stanley C.....Austin
§ Robertson, Paul A.....Austin
§ Rosenthal, F. H.....Austin
§ Sargent, E. C., Jr.....Austin
Schneider, Paul J.....Adams
§ Seery, Thomas M.....Austin
§ Sheedy, Chester L.....Austin
§ Thomson, James M.....Austin
§ Twiggs, Leo F.....Austin
§ Van Cleve, Horatio.....Austin
‡ Wilson, F. C.....Fort Belvoir, Va.
§ Wright, Robert R.....Austin

NICOLLET-LE SUEUR COUNTY MEDICAL SOCIETY

Regular meeting, not scheduled
Annual meeting, December
Number of Members—24

President
Olson, Duane O.....Gaylord

Secretary
Gridley, John W.....Arlington

†§Aikens, Herbert B.....LeCenter
§ Branham, Donald S.....St. Peter
§ Canfield, Wayne W.....St. Peter
§ Curtis, Reuben A.....LeCenter
† Erickson, Swan.....Le Sueur
*†§Giroux, Alcibiades.....Mankato
Gridley, John W.....Arlington
§ Grimes, Burton P.....St. Peter
Henry, M. R.....St. Peter
§ Hiniker, Peter J.....Le Sueur
Kabrick, Ola A.....St. Peter
Kath, Reinhard H.....Arlington
Larson, Milo H.....Lake Benton
§ Lenander, Mellvin E.....St. Peter
§ Nilson, Helmer J.....No. Mankato
§ Olmanson, Edmund G.....St. Peter
§ Olson, Duane O.....Gaylord
‡ Orwoll, Harold S.....Japan
§ Rudie, Clifford N.....St. Peter
§ Sjostrom, Lawrence.....St. Peter
§ Sonnesyn, Nels N.....Le Sueur
§ Strathern, Carleton.....St. Peter
†§Strathern, Fred P.....St. Peter
Traxler, J. Felix.....Henderson
§ Wohlrabe, Clarence.....No. Mankato

OLMSTED-HOUSTON-FILLMORE-DODGE COUNTY MEDICAL SOCIETY

Regular meetings, first Wednesday of every other month
Annual meeting, first Monday in November
Number of Members—537

President
Carryer, Haddon M.....Rochester

Secretary
Wellman, William.....Rochester

‡ Abbott, Albert R.....Rochester
§ Achor, Richard W. P.....Rochester
§ Adams, Richard C.....Rochester
§ Affeldt, Danl. E.....Kasson
† Aga, John H.....Rochester
§ Ahlfs, Jacob J.....Caledonia
Akey, Robert M.....Rochester
§ Allen, E. V. N.....Rochester
Allen, Raymond A.....Rochester
† Amberg, Samuel.....Rochester
§ Andersen, Howard A.....Rochester
§ Anderson, Mark J.....Rochester
‡ Anderson, Milton.....Rochester
Antel, John J.....Rochester
† Ardan, Nicholas, Jr.....Rochester
§ Atmore, William G.....Rochester
§ Baggenstoss, Archie H.....Rochester
‡ Bain, Robert C.....Oakland, Calif.
Bair, Hugo L.....Rochester
§ Baker, George S.....Rochester
†§Baker, Harry R.....Hayfield
‡ Baker, Hillier L.....West Point, N. Y.
Baker, R. L.....Madison, Wisc.
†§Balfour, Donald C.....Rochester
§ Balfour, William M.....Rochester
§ Banner, Edward A.....Rochester
§ Bargen, J. Arnold.....Rochester
§ Barker, Nelson W.....Rochester
Barnes, Arlie R.....Rochester
§ Bastron, James A.....Rochester
‡§Bayard, E. D.....Rochester
§ Beahrs, Oliver H.....Rochester
† Beddow, Ralph M.....Rochester
‡§Bender, L. F.....San Diego, Calif.
§ Bennett, Warren A.....Rochester
Benoit, Clair F.....Rochester
† Berge, Henry B.....Rochester
† Berge, Kenneth G.....Rochester
† Berkman, David.....Oronoco
§ Berkman, John M.....Rochester
‡§Bernatz, Philip E. San Francisco, Calif.
§ Bickel, William H.....Rochester
† Bigelow, Chas. E.....Dodge Center
§ Black, B. M.....Rochester
Blackburn, Chas. M.....Rochester
Block, Melvin A.....Detroit, Mich.
Bonnet, John D.....Rochester
*†Boothby, W. M.....Alberquerque, N. M.
Botham, Richard J.....Rochester
† Bowes, Donald E.....Rochester
§ Boyd, D. A., Jr.....Rochester
† Boyd, George K.....Rochester
§ Braasch, John W.....Rochester
†§Braasch, Wm. F.....Rochester
† Brackett, Ralph D.....Rochester
Brady, Joan.....Rochester
Brandenburg, John.....Rochester
§ Brandenburg, Robert O.....Rochester
Braun, Robert A.....Rochester
§ Brickley, Paul M.....Rochester
Brindley, Clyde O.....Rochester
Broadbent, James C.....Rochester
‡ Broders, C. W.....Rochester
§ Brown, Alexander.....Rochester
§ Brown, Henry A.....Rochester
§ Brown, Joe R.....Rochester
Brown, Philip W.....Rochester
Brown, Roland G.....Rochester
§ Brunsting, Louis A.....Rochester
§ Butt, Hugh R.....Rochester
§ Buie, Louis A.....Rochester
§ Burchell, Howard B.....Rochester
§ Burke, Edmund C.....Rochester
§ Butt, Hugh R.....Rochester
§ Cain, James C.....Rochester
Campagna, Mario J.....Rochester
Campbell, Donald C.....Rochester
§ Carey, John M.....Rochester
§ Carr, David T.....Rochester
§ Carryer, Haddon M.....Rochester
Caruolo, Joseph E.....Rochester
Chance, Donald P.....Rochester
§ Childs, D. S., Jr.....Rochester
† Chiles, N. H.....Rochester
§ Christensen, N. A.....Rochester
§ Clagett, Oscar T.....Rochester
Clark, Doyce M.....Rochester
§ Clark, Leslie W.....Spring Valley
† Clayburgh, Bennie J.....Rochester
Colby, M. Y., Jr.....Rochester
† Collins, Robt. A., Jr.....Rochester
§ Comfort, Mandred W.....Rochester
Connelly, Michael E.....Rochester
Cook, Edward N.....Rochester
§ Cooley, Jack C.....Rochester
Cooney, James F.....Rochester
Corbin, Kendall B.....Rochester
† Costello, Addis C.....Rochester
Counseller, Virgil.....Rochester
§ Coventry, Markham B.....Rochester
Craig, Joe D.....Rochester
§ Craig, W. M.....Rochester
*†§Crenshaw, J. L.....Sanford, Fla.
† Crumbley, James J.....Rochester
Culp, Ormond S.....Rochester
§ Dahlin, David C.....Rochester
‡ Daly, David.....Rochester
§ Daugherty, Guy W.....Rochester
§ Davis, Austin C.....Rochester
† Davis, Donald R.....Rochester
§ Davis, George D.....Rochester
† Davis, Harry L.....Rochester
Davis, R. E.....Rochester
Dearing, William H.....Rochester
Decker, David G.....Rochester
§ Devine, Kenneth D.....Rochester
§ DeWeerd, James H.....Rochester
§ Diessner, Grant R.....Rochester
‡§Dillard, P. G., Jr. Camp Carson, Colo.
Dixon, Claude F.....Rochester
Doane, Joseph C.....Rochester
Dobson, Ross A.....Rochester
§ Dockerty, Malcolm B.....Rochester
Dodge, Henry W., Jr.....Rochester
Donin, J. F.....Winnepeg, Mani., Can.
§ Donoghue, Francis E.....Rochester
Dorsey, Cletis S.....Rochester
§ Douglass, Bruce E.....Rochester
Doyle, James R.....Rochester
† Drips, Della G.....Rochester
§ Dry, Thos. J.....Rochester
Dunn, Jack, Jr.....Rochester
DuShane, James Wm.....Rochester
‡ Dykstra, Peter C.....West Point, N. Y.
§ Eaton, Lealdes M.....Rochester
Edwards, Jesse E.....Rochester
§ Elkins, Earl C.....Rochester
§ Ellis, F. Henry.....Rochester
† Elstner, Howard L.....Rochester
Emmett, John L.....Rochester
§ Erich, John B.....Rochester

§ Erickson, D. J.....Rochester
Erickson, John G.....Rochester
† Esser, Robert A.....St. Charles, Ill.
‡§Estes, J. E.....San Francisco, Calif.
†§Eusterman, George B.....Rochester
† Evans, E. G., Jr.....Rochester
† Evarts, Arrah B.....Rochester
§ Faber, John E.....Rochester
Faulconer, Albert, Jr.....Rochester
Fergeson, James.....Rochester
§ Ferris, Deward O.....Rochester
† Fieldman, E. Jay.....Rochester
Figi, Fredk. A.....Rochester
† Fly, Orceneth A., Jr.....Rochester
Foss, Edward L.....Rochester
§ Freedman, Marshall A.....Rochester
Frerichs, Cletus T.....Rochester
†Freymann, John G.....Boston, Mass.
§ Fricke, Robt. E.....Rochester
†§Gambill, Carl M.....Rochesster
Gambill, Earl E.....Rochester
† Garrett, Chas. M., Jr.....Rochester
‡§Gastineau, Chas. F.....Rochester
‡ Gatchell, Frank G.....Savannah, Ga.
‡ Gaunt, William D.....Rochester
Geraci, Jos. E.....Rochester
§ Ghormley, Ralph K.....Rochester
§ Gibb, Robert P.....Rochester
§ Giberson, Raymond G.....Rochester
†§Giffin, Herbert Z.....Rochester
Giffin, Mary E.....Rochester
§ Gifford, R. W., Jr.....Rochester
† Ginsberg, James P.....Rochester
§ Ginsberg, Robert L.....Rochester
‡§Goldstein, N. P.....Bethesda, Maryland
§ Good, C. Allen.....Rochester
† Gordon, Donald L.....Rochester
Gossel, John D.....Rochester
‡§Graham, George G.....Millington, Tenn.
Grattan, Robert T.....Rochester
§ Gray, Howard K.....Rochester
Green, Paul A.....Rochester
† Green, Robt. C., Jr.....Rochester
Greene, Laurence F.....Rochester
§ Griffin, G. D. J., Jr.....Rochester
§ Grindlay, John H.....Rochester
‡§Gross, John B.....N. Y., N. Y.
Gulley, John L.....Rochester
Gwinn, John L.....Rochester
§ Habein, Harold C., Sr.....Rochester
Habein, Harold C., Jr.....Rochester
‡§Hagedorn, Albert B.....N. Y., N. Y.
† Haigler, F. H., Jr.....Rochester
§ Haines, Saml. F.....Rochester
§ Hallberg, Olav E.....Rochester
†§Hallenbeck, D. F.....LaJolla, Calif.
§ Hallenbeck, Geo. A.....Rochester
Hanlon, David G.....Rochester
§ Hanson, Norbert O.....Rochester
§ Harrington, Stuart W.....Rochester
§ Harris, Lloyd E.....Rochester
Hartman, Howard R.....Rochester
§ Havens, Fred Z.....Rochester
Hayes, Alvin B.....Rochester
Healy, John R.....Rochester
Heck, Frank J.....Rochester
†§Heilman, D. M. H.....San Diego, Calif.
§ Heilman, F. R.....Rochester
† Heimark, John J.....Rochester
Helden, Rudolph A.....Rochester
† Helland, Gustav M.....Spring Grove
† Helland, John W.....Spring Grove
†§Helmholz, Henry F.....Rochester
†§Hempstead, Bert E.....Rochester
Hench, Philip S.....Rochester
§ Henderson, Edward D.....Rochester
§ Henderson, John W.....Rochester
Henderson, Lowell.....Rochester
†§Henderson, Melvin S.....Rochester
† Hendricks, Everett D.....Rochester
Henn, Mary J.....Rochester
Hepper, Norman G.....Rochester
† Hewitt, Edith.....Rochester
†§Hewitt, Richard M.....Rochester
†§Heverdale, O. C.....Rochester
§ Hill, John R.....Rochester
Hines, Edgar A., Jr.....Rochester
Hodgson, Corrin H.....Rochester
§ Hodgson, John R.....Rochester
Hollenhorst, Robert.....Rochester
§ Holman, Colin B.....Rochester
§ Holt, Allen H.....Rochester
‡§Hood, Robt. T.....San Francisco, Calif.
Horton, Bayard T.....Rochester
§ Howell, Llewelyn P.....Rochester
§ Huizenga, K. A.....Rochester
§ Hunt, Arthur B.....Rochester
§ Hunt, William.....Rochester
§ Hunter, J. S.....Rochester
§ Ivins, John C.....Rochester
§ Jackman, Raymond J.....Rochester

‡ Jackson, Richard L.....Rochester
‡§Jamplis, R. W.....San Francisco, Calif.
§ Janes, Joseph M.....Rochester
Johnson, Adelaide McF.....Rochester
§ Johnson, Carl E.....Rochester
Johnson, Einer W.....Rochester
Johnson, Ralph B.....Lanesboro
Johnston, Edward V.....Rochester
Jones, Richard F.....Rochester
Jones, Rabecliff V.....Rochester
† Jordan, Stanley.....Rochester
§ Judd, Edward S., Jr.....Rochester
† Juergens, John L.....Rochester
Kearns, Thomas P.....Rochester
§ Keating, F. R., Jr.....Rochester
§ Keith, Haddow M.....Rochester
†§Keith, Norman M.....Rochester
§ Kennedy, R. L. J.....Rochester
‡ Kent, George B.....Ft. McPherson, Ga.
§ Kernohan, James W.....Rochester
‡§Kiely, James.....San Francisco, Calif.
‡ Kiely, Joseph.....Joliet, Ill.
§ Kierland, Robt. R.....Rochester
‡ Kilby, Ralph A.....Columbia, So. Car.
Kirby, Thos. J., Jr.....Rochester
§ Kirklin, Byrl R.....Rochester
§ Kirklin, John W.....Rochester
Klakeg, Clayton H.....Rochester
† Klass, Donald W.....Rochester
Knutson, Lewis A.....Spring Grove
§ Koelsche, Giles A.....Rochester
Kolb, Lawrence.....Rochester
§ Kroboth, F. J., Jr.....Rochester
‡ Kroll, Harry G.....Rochester
‡§Krout, R. M.....New Cumberland, Pa.
§ Krusen, Frank H.....Rochester
§ Kunkel, Wm. M., Jr.....Rochester
§ Kvale, Walter F.....Rochester
† Lacy, Paul E.....Rochester
§ Lake, Clifford F.....Rochester
† Law, William M.....Rochester
§ Lazarte, Jorge A.....Rochester
§ Leddy, Eugene T.....Rochester
† Lee, Philip R.....Rochester
†§Lemon, Willis S.....Clifton Falls, Va.
Lescoe, Richard J.....Rochester
Lev, Ralph.....Rochester
Lewis, Barton L.....Rochester
‡§Lick, Louis C.....San Francisco, Calif.
§ Lillie, Harold I.....Rochester
Lillie, John C.....Rochester
§ Linscomb, Paul R.....Rochester
§ Litin, E. M.....Rochester
Lofgren, Karl A.....Rochester
†§Logan, Archibald H.....Rochester
§ Logan, George B.....Rochester
§ Love, J. G.....Rochester
§ Lundy, John S.....Rochester
† Lynn, Thomas E.....Rochester
§ MacCarty, Collin S.....Rochester
†§MacCarty, W. C.....Rochester
§ Madison, Mitchell S.....Rochester
§ Magath, Thos. B.....Rochester
Manger, Wm. M.....Rochester
Mankin, Harold T.....Rochester
Mann, Frank D.....Rochester
Mann, Joseph D.....Rochester
‡ Manning, P. R.....Rantoul, Ill.
‡§Markle, G. B., IV.....Ft. Monroe, Va.
Marr, Norval M.....Rochester
§ Marten, Theo. G.....Rochester
§ Martin, George M.....Rochester
§ Martin, William J.....Rochester
Masson, Duncan M.....Rochester
†§Masson, James C.....Rochester
§ Masson, James K.....Rochester
Mathieson, Don R.....Rochester
‡§Maxeiner, S. R., Jr.....Ft. Monroe, Va.
† Maxfield, Robert G.....Rochester
§ Mayo, Chas. W.....Rochester
McBean, J. B.....Rochester
McCarran, Samuel P.....Rochester
‡ McClure, R. W., Jr. Fairmont, W. Va.
McConahey, W. M., Jr.....Rochester
McDonald, John R.....Rochester
McFarlane, John A.....Rochester
McKaig, Carle B.....Pine Island
‡ McKee, Robert E.....Homestead, Pa.
McQuay, N. W.....Rochester
§ McWhorter, Henry E.....Rochester
Mears, Thomas W.....Rochester
Medoff, Alvin S.....Rochester
Menges, Charles G. H.....Rochester
§ Merritt, Wallace A.....Rochester
† Meyerding, Henry W.....Rochester
‡ Miller, J. M.....Detroit, Mich.
§ Miller, R. D.....Rochester
Miller, Ross H.....Rochester
Miller, Wm. J.....Rochester
Millikan, Clark H.....Rochester

§ Mills, Stephen D.....Rochester
§ Moersch, Herman J.....Rochester
§ Montgomery, Hamilton.....Rochester
† Moores, Ken D.....Rochester
§ Morlock, Carl G.....Rochester
Morris, Kenneth L.....Rochester
Mortensen, J. D.....Rochester
‡ Mulder, Donald W.....Rochester
Mussey, Mary E.....Rochester
Mussey, Robert D.....Rochester
Myers, C. III.....Rochester
† Myers, Richard L.....Rochester
Myers, Thomas T.....Rochester
Myre, Theo. T.....Rochester
† Neary, Angus J.....Rochester
Nehring, Jesse P.....Preston
‡ Nelson, Wm. C.....Rochester
Neuman, H. W.....Rochester
Nichols, Donald R.....Rochester
Norris, Neil T.....Caledonia
‡ O'Keefe, Matthew.....Rochester
O'Leary, Paul A.....Rochester
O'Neil, Richard L.....Rochester
‡§O'Shaugnessy, E. J.....Rochester
§ Odel, Howard M.....Rochester
Ogburn, Paul L.....Rochester
‡§Olive, J. T., Jr.....Ft. Riley, Kansas
§ Olsen, Arthur M.....Rochester
Olson, Ernest A.....Pine Island
Olson, Grant E.....West Concord
Onsgard, L. K.....Houston
‡§Onenshaw, C. R. Salt Lake City, Utah
§ Osborn, John E.....Rochester
Owen, Charles A. J.....Rochester
Parker, Harry L.....Rochester
§ Parker, Robt. L.....Rochester
Parkhill, Edith M.....Rochester
‡§Parsons, W. B., Jr.....San Francisco, Calif.
Patrick, Robt. T.....Worrington, Fla.
§ Paulson, John A.....Rochester
§ Paynter, Camen R.....Chicago, Ill.
‡ Pemberton, A. H. San Francisco, Calif.
† Pemberton, John des.....Rochester
Pender, John Wm.....Rochester
§ Perry, Harold.....Rochester
Person, Waldemar W.....Rochester
§ Peters, Gustavus A.....Rochester
† Peters, Myra A.....Rochester
Petersen, Arthur.....Rochester
§ Petersen, M. C.....Rochester
Peterson, W. H.....Spring Valley
Pettersen, George R.....Mabel
Pettet, John R.....Rochester
Phillips, John W.....Rochester
Piper, Monte C.....LaCanada, Calif.
† Place, Virgil A.....Rochester
Polley, Howard F.....Rochester
§ Pool, Thomas L.....Rochester
Powelson, Myron H.....Rochester
* Powers, F. H.....Rochester
*§Pragen, A. D.....Rochester
‡ Pratt, G. F.....San Francisco, Calif.
§ Pratt, J. H., Jr.....Rochester
§ Prickman, Louis E.....Rochester
§ Priestley, James T.....Rochester
§ Pruitt, Raymond D.....Rochester
§ Pugh, David G.....Rochester
§ Ouer, Erich A.....Kansas City, Mo.
Rabens, Robert A.....Rochester
§ Ralston, Donald E.....Rochester
§ Randall, Lawrence M.....Rochester
Randall, Raymond V.....Rochester
§ Rasmussen, W. C.....Rochester
Reitemeier, Richard J.....Rochester
§ ReMine, W. H., Jr.....Rochester
Rice, Roberta G.....Grand Is., Neb.
§ Ridley, Roger W.....Rochester
Rigler, Robert G.....Rochester
‡ Ripepi, James D.....N. Y., N. Y.
§ Risser, Alden F.....Stewartville
Rogers, Arnold G.....Rochester
Rogne, Wm. Gustav.....Spring Grove
§ Rome, Howard P.....Rochester
§ Romness, J. O.....Schenectady, N. Y.
§ Rook, E. D.....Rochester
Rothwell, Walter S.....Rochester
Rovelstad, R. A.....Rochester
§ Rucker, Chas. W.....Rochester
Rushton, J. G.....Rochester
§ Rynearson, E. H.....Rochester
§ Salassa, Robert M.....Rochester
†§Sanford, Arthur H.....Rochester
Sauer, Wm. G.....Rochester
Sayre, George P.....Rochester
§ Scanlon, Paul W.....Rochester
§ Scheidel, Alois M.....Rochester
§ Scheifley, C. H.....Rochester
§ Schmidt, Herbert W.....Rochester
† Schwartz, Carl A.....Rochester

Schwarz, Bert E.....Rochester
§ Scudamore, Harold H.....Rochester
§ Seldon, Thomas H.....Rochester
Seybold, Herbert M.....Rochester
Shick, Richard M.....Rochester
Shields, Jack W.....Rochester
Shocket, Everett.....Rochester
§ Sholl, Philip R.....Rochester
Siekert, R. G.....Rochester
Silver, Arthur W.....Rochester
† Simon, Howard B.....Rochester
§ Simonton, Kinsey M.....Rochester
Simpson, H. M., Jr.....Rochester
Skrdla, Willard B.....Rochester
§ Slocumb, Charles H.....Rochester
Smith, Ballard F.....Rochester
†§Smith, Fredk. L.....Rochester
§ Smith, Harry L.....Rochester
Smith, Lowell R.....Rochester
§ Smith, Lucian A.....Rochester
‡ Smith, M. P.....Mare Island, Calif.
Smith, Newton D.....Rochester
Smith, Roger C.....Rochester
† Smith, Ross.....Rochester
§ Soule, Edward H.....Rochester
Spittel, John A.....Rochester
Sprague, Randall G.....Rochester
Starr, Grier F.....Rochester
Steinhilber, R. M.....Rochester
‡ Stevens, Grant M.....San Diego, Calif.
Stewart, Allan H.....Rochester
§ Stickney, J. M.....Rochester
§ Stilwell, George G.....Rochester
§ Stroebel, C. F., Jr.....Rochester
Struthers, Alfred M.....Rochester
‡ Stuhler, Louis G.....San Francisco, Calif.
Svien, Hendrik J.....Rochester
Symmonds, Richard E.....Rochester
Tarantino, Joseph C.....Rochester
Tarun, Donald W.....Rochester
† Taub, Robert G.....Rochester
Thompson, Gershom J.....Rochester
‡ Tihen, Edward N.....Wichita, Kansas
§ Tillisch, Jan H.....Rochester
‡ Todd, John W.....San Francisco, Calif.
‡ Tuerk, Milton.....Allentown, Pa.
Ubel, Frank S.....Rochester
§ Uihlein, Alfred.....Rochester
Ulery, Richard M.....Rochester
Underdahl, Laurentius.....Rochester
† Utne, John R.....Rochester
‡§Utz, David C.....San Francisco, Calif.
§ Van Herik, Martin.....Rochester
§ Vaughn, Louis D.....Rochester
Virnig, Hildegard J.....Rochester
§ Wagener, Henry P.....Rochester
Wagoner, James M.....Harmony
Wakefield, Elmer G.....Rochester
†§Wakim, Khalil G.....Rochester
§ Walters, Waltman.....Rochester
‡ Wang, Jun-Chuan.....
Ft. Sam Houston, Texas
‡ Ward, Bert B.....Rochester
§ Ward, Louis E.....Rochester
§ Watkins, Chas. H.....Rochester
Watson, Eleanor.....Rochester
Waud, R. E.....Rochester
§ Waugh, John M.....Rochester
Weaver, Rex W.....Rochester
§ Weber, Harry.....Rochester
§ Weed, Lyle A.....Rochester
Wehr, M. B.....Rochester
Weidman, William.....Rochester
§ Weir, James F.....Rochester
Welch, John S.....Rochester
§ Wellman, Wm. E.....Rochester
Wellner, Theo. O.....Rochester
§ Wente, Harold A.....Rochester
§ Westrup, John E.....Lanesboro
† White, Roy A.....New Orleans, La.
Wierman, Wm. H.....Rochester
† Wilder, Russell M.....Bethesda, Md.
‡ Wilkinson, G. R., Jr.....Rochester
Williams, George E.....Rochester
Williams, Henry L., Jr.....Rochester
† Williams, Rasmus V.....Rushford
Wilson, Leo H., Jr.....Rochester
§ Wilson, Robert B.....Rochester
‡ Wilson, Theo. W.....Great Lakes, Ill.
§ Wilson, V. O.....Rochester
‡ Winkelmann, Richard Birmingham, Ala.
Winterringer, James R.....Rochester
† Wise, Fred E., Jr.....Rochester
Wittchow, Allen W.....Rochester
Wollaeger, Eric.....Rochester
§ Woltman, Henry W. F.....Rochester
†§Wood, Harry G.....Rochester
§ Woolner, Lewis B.....Rochester
‡ Wuest, J. H.....Los Angeles, Calif.
§ Young, Henry H.....Rochester
‡ Zeller, Wm. W.....Philadelphia, Pa.
Zimmer, J. F.....Rochester

PARK REGION DISTRICT AND COUNTY MEDICAL SOCIETY

Douglas, Grant, Otter Tail and Wilkin Counties

Regular meeting, last Wednesday even numbered months

Annual meeting, December

Number of Members—64

President
Wasson, Loren F.....Alexandria

Secretary
Shaver, Ward.....Fergus Falls

§ Arndt, Harry W.....Detroit Lakes
Baker, Jeannette I.....Fergus Falls
§ Baker, Norman H.....Fergus Falls
Berquist, Karl E.....Battle Lake
† Blakey, Adam R.....Osakis
§ Boline, Clifford A.....Battle Lake
*§Boyd, L. M.....Alexandria
† Boysen, Peter.....Bemidji
§ Cain, James H.....Hoffman
§ Carlson, Carl E.....Alexandria
§ Clifford, G. W.....Alexandria
§ Combacker, Leon C.....Fergus Falls
§ Daehlin, Rolf.....Fergus Falls
§ DeKruif, Hendrik.....Fergus Falls
§ Doms, Vernon A.....Elbow Lake
*§Estrem, C. O.....Fergus Falls
§ Estrem, Robert D.....Fergus Falls
§ Estrem, Ralph L.....Fergus Falls
Freeman, John G.....Jamestown, N.D.
§ Geiser, Peter M.....Alexandria
George, Robert P.....Fergus Falls
Hanson, Everett C.....New York Mills
§ Hanson, LeRoy W.....Pelican Rapids
† Harris, Evelyn S.....Seattle, Wash.
§ Heiberg, Emmett A.....Fergus Falls
§ Helseth, Hovald K.....Pelican Rapids
Hom, Leong Y. W.....Battle Lake
§ Jacobson, Clifford W.....Breckenridge
§ Kevern, Jay L.....Henning
§ Korda, Henry A.....Pelican Rapids
Larson, Donald M.....Fergus Falls
Leibold, Herbert H.....Parkers Prairie
§ Lewis, Arthur J.....Henning
Love, Fredk. A.....Carlos
§ Lund, Carl J. T.....Fergus Falls
§ Mahowald, Aloys.....Fergus Falls
Mortensen, Nels G.....Minneapolis
§ Mouritsen, Glenn J.....Fergus Falls
†§Naegeli, Frank.....Fergus Falls
Nelson, Roy A.....Fergus Falls
§ Nelson, Wilburn O. B.....Fergus Falls
§ O'Brien, Louis T.....Breckenridge
Ostergaard, Erling.....Evansville
§ Palmerton, Ernest S.....Fergus Falls
Parson, Lillian B.....Elbow Lake
Parson, Lester R.....Elbow Lake
† Patterson, Wm. L.....Fergus Falls
† Paulson, Theo. S.....Fergus Falls
Perkins, Douglass E.....Alexandria
* Randall, A. M.....Ashby
Rockwood, Philo H.....Fergus Falls
§ Sanderson, David J.....Fergus Falls
† Satersmoen, Theo.....Pelican Rapids
§ Sather, Edgar R.....Alexandria
§ Schamber, Walter F.....Parkers Prairie
Schoeneberger, P. B.....Perham
§ Shaver, Ward.....Fergus Falls
§ Stremsrud, Harold L.....Alexandria
§ Struxness, David F.....Alexandria
Sutton, Harris R.....Hoffman
§ Tanquist, Edwin J.....Alexandria
Thompson, Harlow B.....St. Cloud
Warner, James J.....Perham
§ Wasson, Loren F.....Alexandria
‡§Weyhrauch, Robert A.....Alexandria
Williams, Richard A.....Rothsay
† Wray, William E.....Campbell

RAMSEY COUNTY MEDICAL SOCIETY

Regular meetings, last Monday in every month excepting June, July, August

Annual meeting, January

Election in November

Number of Members—461

President
Ritchie, Wallace P.....St. Paul

Secretary
Hilger, Lawrence D.....St. Paul

§ Adair, Albert F., Jr.....St. Paul
*†§Ahrens, A. H.....Sandstone
†§Ahrens, Albert E.....St. Paul
Ahrens, Robert M.....St. Paul
‡§Alden, J. F., Jr.....Ft. Smith, Ark.
§ Arnquist, Andrew S.....St. Paul
§ Arny, Fredk. P.....St. Paul
§ Arzt, Philip K.....St. Paul
§ Aurelius, J. Richards.....St. Paul
§ Ausman, Duane R.....St. Paul
§ Babb, Frank S.....St. Paul
§ Bacon, Donald K.....St. Paul
§ Baer, Walter.....St. Paul
§ Balcome, M. M.....St. Paul
Barnett, Joseph M.....St. Paul
Baronofsky, Ivan D.....Minneapolis
*§Barry, L. W.....St. Paul
† Barsness, Nellie O. N.....St. Paul
Bauer, Eugene L.....St. Paul
†§Beals, Hugh.....St. Paul
§ Beech, Raymond H.....St. Paul
§ Beek, Harvey O.....St. Paul
§ Beer, John J.....St. Paul
§ Bell, Chas. C.....St. Paul
Bellomo, James.....St. Paul
‡ Bellomo, John.....St. Paul
§ Benepe, James L.....St. Paul
† Bennion, P. H.....Isway, Montana
§ Bentley, Norman P.....St. Paul
Bernier, M. J.....No. St. Paul
§ Bernstein, Wm. C.....St. Paul
§ Bicek, Jos. F.....St. Paul
† Binger, Henry E.....Phoenix, Ariz.
Black, Earl J.....St. Paul
†§Bock, Rolland A.....St. Paul
† Boeckmann, Egil.....St. Paul
§ Bolender, Harold L.....St. Paul
§ Bonello, Frank J.....St. Paul
§ Borg, Jos. F.....St. Paul
† Bouma, Lewis R.....St. Paul
§ Brand, George D.....St. Paul
† Bray, Elwyn R.....St. Paul
§ Briggs, John F.....St. Paul
§ Broadie, Thos. E.....St. Paul
§ Brodie, Walter D.....St. Paul
† Brown, J. C.....Los Gatos, Calif.
§ Bulinski, Theodore J.....St. Paul
§ Burch, E. P., II.....St. Paul
† Burch, Frank E.....St. Paul

§ Burkland, E. D. ..... St. Paul
§ Burlingame, D. A. ..... St. Paul
§ Burmeister, Richard ..... St. Paul
†§ Burns, Robert M. ..... St. Paul
Burton, Carl G. ..... St. Paul
§ Bush, Robert P. ..... St. Paul
§ Busher, Herbert H. ..... St. Paul

§ Cain, C. L. ..... St. Paul
Callahan, F. F. ..... St. Paul
§ Carley, Walter A. ..... St. Paul
§ Carroll, Wm. C. ..... St. Paul
Cedarleaf, Cherry B. ..... St. Paul
§ Chadbourn, Chas. R. ..... St. Paul
§ Chatterton, Carl C. ..... St. Paul
§ Christiansen, Andrew ..... St. Paul
§ Clark, Henry B., Jr. ..... Minneapolis
Cochrane, Bryon B. ..... St. Paul
Coddon, Walter D. ..... St. Paul
Cohen, Ellis N. ..... St. Paul
§ Colby, W. L. ..... St. Paul
§ Cole, Wallace H. ..... St. Paul
Coleman, John B. ..... St. Paul
† Collie, H. G. ..... St. Petersburg, Fla.
‡§ Connolly, C. J. ..... Fort Belvoir, Va.
Connor, Chas. E. ..... St. Paul
§ Cook, Carroll K. ..... St. Paul
§ Cooper, Charles C. ..... St. Paul
§ Countryman, Roger S. ..... St. Paul
§ Craig, David M. ..... St. Paul
§ Critchfield, Lyman R. ..... St. Paul
Crowley, James H. ..... St. Paul
§ Crudo, Vincent D. ..... St. Paul
§ Crump, James W. ..... St. Paul
§ Culligan, John M. ..... St. Paul
§ Culver, L. G. ..... St. Paul

§ Davis, Edward ..... St. Paul
Dawson, James R. ..... St. Paul
Decker, Charles H. ..... St. Paul
§ Derauf, Benj. I. ..... St. Paul
§ Deters, Donald C. ..... St. Paul
† Dickson, Thos. H. ..... St. Paul
* Donohue, P. F. ..... St. Paul
§ Drake, Carl B. ..... St. Paul
§ Dunn, James N. ..... St. Paul

§ Earl, George A. ..... St. Paul
§ Earl, John R. ..... St. Paul
§ Edlund, Gustaf ..... St. Paul
Edwards, Jos. W. ..... St. Paul
Edwards, L. G. ..... St. Paul
§ Edwards, Thomas J. ..... St. Paul
§ Eginton, Charles T. ..... St. Paul
Ely, Orriman S. ..... So. St. Paul
Emerson, Edward C. ..... St. Paul
§ Emmons, R. W. ..... St. Paul
§ Endress, Edward K. ..... St. Paul
§ Enroth, Oscar E. ..... St. Paul
† Ernest, G. C. H. ..... St. Petersburg, Fla.
§ Ersfeld, Murray P. ..... St. Paul
† Eshelby, E. C. ..... St. Paul
‡ Evert, John A., Jr. ..... St. Paul
Farkas, John V. ..... St. Paul
Fee, John G. ..... St. Paul
Felder, Davitt A. ..... St. Paul
§ Felion, Arthur J. ..... St. Paul
†§ Ferguson, James C. ..... St. Paul
§ Fesler, Harold H. ..... St. Paul
Field, Anthony H. ..... Farmington
Fink, Daniel L. ..... St. Paul
§ Fisher, Dan W. ..... St. Paul
§ Flanagan, Harold F. ..... St. Paul
§ Flannery, H. F. ..... St. Paul
Flom, R. P. ..... St. Paul
§ Flynn, L. L., Jr. ..... St. Paul
† Fogarty, Charles W., Sr. ..... St. Paul
§ Fogarty, Charles W., Jr. ..... St. Paul
§ Fogelberg, Emil J. ..... St. Paul
§ Foley, F. E. B. ..... St. Paul
Forsythe, James R. ..... St. Paul
§ Freeman, C. D., Jr. ..... St. Paul
‡ Freeman, Gerald I. ..... St. Paul
§ Freidman, Louis L. ..... St. Paul
§ Fritz, W. L. ..... St. Paul
§ Froats, Chas. W. ..... St. Paul
§ Fuller, Benjamin F. ..... St. Paul
Furnell, D. Q. ..... St. Paul
Galligan, John J. ..... St. Paul
§ Garbrecht, Arthur W. ..... St. Paul
§ Gardner, Walter P. ..... St. Paul
Garrow, Douglas M. ..... St. Paul
§ Gehlen, Jos. N. ..... St. Paul
§ Ghent, Chas. H. ..... St. Paul
Gibbs, Edward C. ..... St. Paul
* Gilkey, S. E. ..... St. Paul
§ Gillespie, Delmar R. ..... St. Paul
§ Gleason, W. A. ..... St. Paul
Goldsmith, Joseph W. ..... St. Paul
†§ Goltz, Edward V. ..... St. Paul
‡ Goltz, Neill F. ..... St. Paul
§ Grant, Hendrie W. ..... St. Paul
§ Gratzek, Thos. ..... St. Paul

§ Grau, R. K. ..... St. Paul
† Gruenhagen, Arnold P. ..... St. Paul

§ Hall, Barnard ..... St. Paul
§ Hammes, Ernest M., Sr. ..... St. Paul
§ Hammes, Ernest M., Jr. ..... St. Paul
† Hammond, James F. ..... St. Paul
§ Hanson, Harold B. ..... St. Paul
Harbaugh, John ..... St. Paul
§ Harmon, G. E. ..... St. Paul
§ Hartfiel, Wm. F. ..... St. Paul
Hartig, Marjorie ..... St. Paul
§ Hartley, Everett C. ..... St. Paul
§ Hauser, Victor P. ..... St. Paul
§ Hayes, Albert F. ..... St. Paul
§ Heck, Wm. W. ..... St. Paul
Hedenstrom, Frank G. ..... St. Paul
Heilig, William R. ..... St. Paul
Henderson, A. J. G. ..... No. St. Paul
§ Hengstler, Wm. H. ..... St. Paul
† Hensel, Charles N. ..... St. Paul
Herman, Samuel M. ..... St. Paul
§ Heron, Roy C. ..... St. Paul
§ Herrmann, Edgar T. ..... St. Paul
Hertz, Myron J. ..... St. Paul
†§ Hilger, Andrew W. ..... St. Paul
§ Hilger, Jerome A. ..... St. Paul
§ Hilger, Lawrence D. ..... St. Paul
Hilker, Marcus D. ..... St. Paul
Hiniker, Louis P. ..... St. Paul
§ Hochfilzer, John J. ..... St. Paul
Hodgson, Jane E. ..... St. Paul
† Holcomb, O. W. ..... St. Paul
§ Hollinshead, W. H. ..... St. Paul
§ Holmen, Robert W. ..... St. Paul
§ Holt, John E. ..... St. Paul
Hopkins, George W. ..... St. Paul
Howard, Merrill A. ..... St. Paul
Howard, Willard S. ..... St. Paul
§ Howe, Newell W. ..... St. Paul
§ Hullsiek, Harold E. ..... St. Paul
§ Hullsiek, Richard ..... St. Paul
§ Hunter, Murray H. ..... Farmington
§ Hurwitz, Milton M. ..... St. Paul

†§ Ide, Arthur W. ..... St. Paul
Ikeda, Kano ..... St. Paul
Ingerson, Carl A. ..... St. Paul
§ James, Ellery ..... St. Paul
James, John W. ..... White Bear Lake
§ Janssen, Martin ..... St. Paul
Jarvis, Marilyn A. ..... St. Paul
Jesion, Jos. W. ..... St. Paul
§ Johanson, W. G. ..... St. Paul
§ Johnson, Carl E. ..... St. Paul
§ Johnson, Herbert ..... St. Paul
† Johnson, Morris B. ..... St. Paul
Johnson, R. J. ..... St. Paul
† Jones, E. Mendelssohn ..... St. Paul

§ Kamman, G. R. ..... St. Paul
Karon, Irving M. ..... St. Paul
§ Kasper, Eugene M. ..... St. Paul
Katz, L. J. ..... Long Beach, Calif.
Keefe, Rolland E. ..... St. Paul
†§ Kelly, John V. ..... St. Paul
§ Kelsey, Chauncey M. ..... St. Paul
§ Kenefick, Emmett V. ..... St. Paul
§ Kenyon, Thomas J. ..... St. Paul
§ Kesting, Herman ..... St. Paul
† King, G. L. ..... Hudson, Wisc.
§ Klein, Henry N. ..... St. Paul
§ Knutson, Gerald E. ..... St. Paul
Knutson, Robert ..... St. Paul
Koza, Donald N. ..... St. Paul
Krezowski, Thomas ..... St. Paul
§ Kugler, Alex A. ..... St. Paul
§ Kuske, Albert W. ..... St. Paul
Kuske, Douglas R. ..... St. Paul
Kvitrud, Gilbert ..... St. Paul
§ Lannin, Bernard G. ..... St. Paul
§ Lannin, Donald R. ..... St. Paul
Larrabee, Walter ..... St. Paul
Larson, Eva-Jane ..... St. Paul
Larson, James T. ..... So. St. Paul
Larson, Kenneth R. ..... St. Paul
Larson, Martin L. ..... St. Paul
Lax, Morris H. ..... St. Paul
†§ Leahy, Bartholomew ..... St. Paul
§ Leavenworth, R. O., Sr. ..... St. Paul
† Leavenworth, R. O., Jr. ..... St. Paul
§ Leick, Richard M. ..... St. Paul
Leitch, Archibald ..... St. Paul
§ Lepak, John A. ..... St. Paul
† Lerche, Wm. ..... Cable, Wisc.
§ Leven, Nathaniel L. ..... St. Paul
§ Leverenz, Cariton W. ..... St. Paul
Levin, Bert G. ..... St. Paul
Levitt, George X. ..... St. Paul
§ Lick, Chas. L. ..... St. Paul
Lick, Wm. J., Jr. ..... St. Paul
§ Lien, Richard J. ..... St. Paul
Lilleberg, Norbert J. ..... St. Paul

§ Lindell, Robert ..... St. Paul
Lippman, Hyman S. ..... St. Paul
§ Loken, Selmur M. ..... St. Paul
Lowe, Earl R. ..... So. St. Paul
Lowe, Thos. A. ..... So. St. Paul
Lightbourn, E. L. ..... St. Paul
§ Lundholm, Arthur M. ..... St. Paul
§ Lynch, Francis W. ..... St. Paul

‡ Mackoff, Sam M. ..... Scottfield, Ill.
§ Madden, John F. ..... St. Paul
Madland, Robert S. ..... St. Paul
Maertz, William F. ..... St. Paul
§ Malerich, J. A. ..... St. Paul
Marks, Roger W. ..... St. Paul
§ Martin, Dwight L. ..... St. Paul
§ Martineau, Jos. L. ..... St. Paul
Matthews, James H. ..... Minneapolis
§ McCabe, James S. ..... St. Paul
§ McCain, Donovan L. ..... St. Paul
McCarthy, Jos. J. ..... St. Paul
* McCarthy, Wm. R. ..... St. Paul
† McClanahan, J. H. ..... St. Paul
McClanahan, T. S. ..... White Bear Lake
§ McCloud, Charles N. ..... St. Paul
§ McEwan, Alexander ..... St. Paul
§ McGroarty, Brian J. ..... St. Paul
McKenzie, Eva E. ..... St. Paul
§ McNeill, J. A. ..... St. Paul
§ Meade, John R. ..... St. Paul
§ Mears, Burtis J. ..... St. Paul
§ Medelman, John P. ..... St. Paul
Melancon, Joseph F. ..... St. Paul
§ Menold, Wm. F. ..... St. Paul
Merner, T. B. ..... Faribault
§ Merrick, Robert L. ..... St. Paul
†§ Meyerding, Edward A. ..... St. Paul
Michienzi, Leonard J. ..... St. Paul
Midboe, Gilbert ..... St. Paul
‡ Miller, William T. ..... St. Paul
Miller, Z. R. ..... St. Paul
§ Milnar, Frank J. ..... St. Paul
§ Mishek, Charles J. ..... St. Paul
§ Moga, John A. ..... St. Paul
Molander, Herbert A. ..... St. Paul
§ Monahan, Robert H. ..... St. Paul
§ Mooney, Robert D. ..... St. Paul
† Moquin, Marie A. ..... St. Paul
† Moren, J. Adelaide ..... St. Paul
Moriarty, Berenice ..... St. Paul
Moriarty, Cecile R. ..... St. Paul
§ Muller, A. E. ..... No. St. Paul
Mundahl, Harold R. ..... St. Paul
§ Murphy, Jack T. ..... St. Paul

§ Nash, L. A. ..... St. Paul
Neibergs, Lidija ..... St. Paul
Neibergs, Pauls ..... St. Paul
† Nelson, Louis A. ..... St. Paul
Nimlos, Kenneth O. ..... St. Paul
† Nimlos, Lenore O. ..... St. Paul
§ Noble, John F. ..... St. Paul
§ Noble, John L. ..... St. Paul
Nye, Katherine A. ..... St. Paul
Nye, Lillian L. ..... St. Paul

O'Brien, J. C. ..... St. Paul
O'Connor, Loren J. ..... St. Paul
O'Kane, Thomas W. ..... St. Paul
‡ O'Malley, Valentine ..... St. Paul
§ O'Reilley, Bernard E. ..... St. Paul
§ Ockuly, Orville ..... St. Paul
§ Ogden, Warner ..... St. Paul
§ Ohage, Justus ..... St. Paul
§ Olsen, Ralph L. ..... St. Paul
Olson, Charles A. ..... St. Paul
§ Ostergren, Edw. W. ..... St. Paul
§ Ouellette, Alfred J. ..... St. Paul
§ Owens, F. M., Jr. ..... St. Paul
Paulson, Wallace ..... St. Paul
Pearson, Fritz R. ..... St. Paul
§ Pearson, Malcolm M. ..... St. Paul
Pedersen, Arthur H. ..... St. Paul
Peterson, David B. ..... St. Paul
§ Peterson, Donald H. ..... St. Paul
§ Peterson, Harold O. ..... St. Paul
Peterson, J. L. E. ..... St. Paul
Peterson, Roy L. ..... White Bear Lake
†§ Piondke, Fred J. ..... St. Paul
§ Plotke, Harry L. ..... St. Paul
Polski, Paul G. ..... So. St. Paul
Quattlebaum, Frank ..... St. Paul
§ Ralph, James R. ..... St. Paul
† Ramsey, Walter R. ..... St. Paul
Rasmussen, Ramby C. ..... St. Paul
§ Ravits, Harold G. ..... St. Paul
§ Rea, Charles E. ..... St. Paul
Reid, James W. ..... St. Paul
§ Richards, E. T. F. ..... St. Paul
Richardson, E. J., Jr. ..... St. Paul
§ Richardson, Robert J. ..... St. Paul
Rick, Paul F. W. ..... St. Paul
Rinkey, Eugene ..... St. Paul

§ Ritchie, Wallace P.....St. Paul
§ Ritt, Albert E.....St. Paul
§ Rogers, Sydney F.....St. Paul
† Rogin, Norton.....St. Louis Park
Rolig, David H.....St. Paul
§ Rollie, O. O.....St. Paul
§ Rosenthal, Robert.....St. Paul
§ Roth, George C.....St. Paul
†§Rothschild, Harold J.....St. Paul
§ Roy, Phil. C.....St. Paul
† Ruhberg, Geo. N.....Tarzona, Calif.
§ Rusterholz, Alan P.....St. Paul
§ Ryan, John J.....St. Paul
§ Ryan, Jos. M.....St. Paul
§ Sarnecki, M. M.....St. Paul
† Satterlund, Victor L.....St. Paul
†§Savage, Francis J.....St. Paul
§ Schmidtke, R. L.....St. Paul
† Schoch, Robert B. J.....St. Paul
§ Schons, Edward.....St. Paul
§ Schroeckenstein, H. F.....St. Paul
†§Schuldt, Fredk. C.....St. Paul
†§Schulze, Albert G.....St. Paul
Schumacher, John W.....Robbinsdale
§ Schwyzer, Hanns C.....St. Paul
Schwyzer, Marguerite.....St. Paul
§ Scott, Eugene E.....St. Paul
Sekhon, Mohan S.....St. Paul
Sells, Richard J.....No. St. Paul
† Senkler, George E.....St. Paul
§ Setzer, Hobert J.....St. Paul
Shannon, Wm. R.....St. Paul
† Shellman, J. L. Pacific Palisado, Calif.
Short, Jacob.....St. Paul
Siegel, Clarence.....St. Paul
‡ Siegel, S. C.....St. Paul
§ Simons, Leander T.....St. Paul
Singer, Beni. J.....St. Paul
§ Skinner, Abbott.....St. Paul
† Skinner, Harvey O.....St. Paul
§ Smisek, Elmer A.....St. Paul
Smith, Clyde.....Bismarck, N. D.
§ Smith, Vernon D. E.....St. Paul
§ Snyder, Geo. Wm.....St. Paul
§ Sohlberg, Olof I.....St. Paul
Sommers, Ben.....St. Paul
§ Sorem, Milton B.....St. Paul
Soucheray, Philip H.....St. Paul
§ Souster, Benj. B.....St. Paul
§ Sowada, Ernest J.....St. Paul
‡ Sprafka, Gregory.....N. Y., N. Y.
†§Sprafka, Joseph L.....St. Paul
§ Sprafka, Joseph M.....St. Paul
§ Steinberg, Chas. L.....St. Paul
§ Sterner, Donald C.....St. Paul
†§Sterner, Ernest G.....St. Paul
§ Sterner, E. R.....St. Paul
§ Sterner, John J.....St. Paul
Stewart, Alexander.....St. Paul
§ Stolpestad, Armer H.....St. Paul
§ Stolpestad, Herbert L.....St. Paul
§ Strate, Gordon E.....St. Paul
Straus, M. L.....St. Paul
§ Strem, Edward L.....St. Paul
§ Sturley, Rodney F.....St. Paul
Swanson, John A.....St. Paul
‡ Swanson, Lawrence J.....St. Paul
§ Swendson, James J.....St. Paul
† Swenson, Donald B.....Minneapolis
§ Teisberg, John E.....St. Paul
Thompson, Floyd A.....St. Paul
Thoreson, M. C. Bernice.....So. St. Paul
§ Tifft, Cyril R.....St. Paul
§ Tongen, Lyle A.....St. Paul
§ Tracht, Robert R.....St. Paul
Travis, James S.....St. Paul
§ Tregilgas, Harold R.....So. St. Paul
Van Bergen, F. H.....Minneapolis
Varco, Richard L.....St. Paul
Veirs, Dean M.....St. Paul
Veirs, Ruby J. S.....St. Paul
§ Venables, Alexander E.....St. Paul
‡§von Amerongen, W. W.....St. Paul
§ Waas, Chas. W.....St. Paul
§ Walker, Arthur E.....St. Paul
§ Wallinga, Jack.....St. Paul
§ Walsh, Edward F.....St. Paul
§ Walter, Clarence W.....St. Paul
†§Ward, Peter D.....St. Paul
Warren, Cecil A.....St. Paul
Watson, P. Theodore.....St. Paul
§ Watson, W. H. A.....St. Paul
§ Watson, Wm. J.....Newport
Watz, Clarence E.....St. Paul
§ Webber, Fred L.....St. Paul
§ Weis, Benjamin A.....St. Paul
§ Weisberg, Maurice.....St. Paul
§ Wenzel, Gilbert P.....St. Paul
Wesolowski, Stanley P.....St. Paul
‡ Westover, D. E.....St. Paul
† Wheeler, Merrit W.....Stillwater
† Wilkinson, Stella L.....St. Paul
† Williams, Arthur B.....St. Paul
§ Williams, Clayton K.....St. Paul
§ Williams, John A.....St. Paul
Wilson, J. Allen.....St. Paul
§ Wilson, James V.....St. Paul
† Winnick, Jos. B.....St. Paul
§ Wolff, Herman J.....St. Paul
Wolkoff, H. J.....St. Paul
Word, Harlan L.....St. Paul
Wurdemann, Alma L. White Bear Lake
‡ Yamamoto, Joe.....Fort Lewis, Wash.
Youngren, E. R.....St. Paul
Zachman, Leo L.....St. Paul
§ Zimmermann, H. B.....St. Paul

RED RIVER VALLEY MEDICAL SOCIETY

Kittson, Mahnomen, Marshall, Norman, Pennington, Polk, Red Lake and Roseau Counties

Regular meetings, three—plus extras

Annual meeting, first week in December

Election, January

Number of Members—67

President
McKaig, A. M.....Red Lake Falls

Secretary
Sather, Russell O.....Crookston

† Adkins, C. M.....Thief River Falls
§ Anderson, W. E.....Clearbrook
‡ Behling, Fredk. L.....Rochester
§ Behr, Orlo K.....Crookston
§ Berge, David O.....Roseau
Berlin, A. S.....Hallock
† Biedermann, Jacob.....Thief River Falls
§ Boyer, G. S.....Crookston
† Bratrud, Edward.....Thief River Falls
Bratrud, Theo.....Minneapolis
§ Bretzke, Carl O.....Greenbush
Brink, Adlai A.....Baudette
Burnett, C. F., Jr.....Crookston
§ Cameron, J. H.....Crookston
§ Covey, Kenneth W.....Mahnomen
§ Dale, L. N.....Red Lake Falls
§†Delmore, John L.....Roseau
§ Delmore, J. L., Jr.....Roseau
Delmore, Robert J.....Roseau
§ Erickson, Eskil.....Halstad
§ Feigal, W. M.....Thief River Falls
Flancher, Leon H.....Crookston
§ Greene, D. E.....Thief River Falls
§†Henney, Wm. H.....McIntosh
Hirsch, Stanton A.....Crookston
† Hollands, Wm. H.....Fisher
§ Holmstrom, C. H.....Warren
Janecky, A. G.....Baudette
‡ Johnson, H. C.....San Diego, Calif.
§ Kinkade, Byron R.....Ada
† Kirk, G. P.....East Grand Forks
§ Klefstad, L. H.....Greenbush
* Knutson, G. A.....Hallock
§ Kostick, Wm. R.....Fertile
§ Loken, Theodore.....Ada
Lund, Anthony J.....Cleveland, Ohio
Martin, George.....Thief River Falls
§ McDonald, W. J.....Crookston
McHardy, Bryson R.....Karlstad
§ McKaig, A. M.....Red Lake Falls
*†Mellby, O. F.....Thief River Falls
§ Mercil, William.....Crookston
† Nelson, Henry E.....Crookston
Nelson, Kenneth.....Warroad
§ Norman, John F.....Crookston
§ Oppegaard, Chester.....Crookston
Parker, Philip.....Thief River Falls
§ Pumala, Erven E.....Warren
† Quigley, Walter.....Brooklyn, N. Y.
§ Reff, Alan R.....Crookston
§ Roholt, Christian.....McIntosh
‡ Roholt, H. B.....Fosston
‡ Rydland, Arne D.....Minneapolis
Sather, Edgar L.....Fosston
§ Sather, George A.....Fosston
§ Sather, Richard.....Fosston
§ Sather, Russell O.....Crookston
§ Skogerboe, Rudolph.....Karlstad
Stadem, Clifford.....Twin Valley
§ Starekow, Milton.....Thief River Falls
§ Steward, Donald.....Crookston
‡ Stone, Norman F.....Chicago, Ill.
§ Thysell, Harold.....Crookston
§ Uhley, Charles G.....Crookston
Van Rooy, George T..Thief River Falls
Wendt, H. P.....Thief River Falls
Wheeler, G. S.....Roseau
§ Wikoff, Howard M.....Crookston
† Wiltrout, Irving G.....Oslo

RENVILLE-REDWOOD COUNTY MEDICAL SOCIETY

Regular meeting, second Tuesday of each month

Annual meeting, November

Number of Members—25

President
Hinderaker, Harris.....Bird Island

Secretary
Diessner, A. W.....Redwood Falls

§ Alcorn, William J.....Wabasso
§ Anderson, Chester A.....Hector
‡ Anderson, Donald C..New York, N. Y.
Bessesen, Daniel H.....Buffalo Lake
§ Billings, Ralph E.....Franklin
† Brand, William A.....Redwood Falls
§ Ceplecha, S. F.....Redwood Falls
§ Cosgriff, James A.....Olivia
Cosgriff, James A., Jr.....Olivia
§ Diessner, A. W.....Redwood Falls
§ Dordal, John.....Sacred Heart
§ Fawcett, Arthur M.....Renville
† Flinn, Thomas E.....Remer
§ Haas, J. F.....Fairfax
§ Hinderaker, Harris.....Bird Island
Johnson, Orville H.....Omaha, Nebr.
§ Johnson, William E.....Morgan
§ Knoche, Harvey A., Jr.....Morgan
§ Lenz, Joseph R.....Morton
† Mesker, George H.....Olivia
§ Nelson, Glenn E.....Fairfax
§ Pierce, Robert B.....Renville
Potthoff, Carl J.....Rochester
† Preisinger, J. W.....Dallas, Texas
§ Strauchler, Jona.....Belview

RICE COUNTY MEDICAL SOCIETY

Regular meeting, third Thursday of every month
Annual meeting, October
Number of Members—33

President
Lende, Norman.....Faribault

Secretary
Orr, Burton A.....Faribault

Beaton, J. Gordon.....Northfield
§ Bruhl, Heinz H.....Faribault
Buesgens, Ralph H.....Waterville
†§Dungay, Neil S.....Northfield
§ Engberg, Edward J.....Faribault
Francis, David W.....Morristown
§†Hanson, Adolph M.....Faribault
† Huxley, Fredk. R.....Faribault
§ Kennedy, George L.....Faribault
§ Kolars, J. J.....Faribault
§ Kucera, L. B.....Lonsdale
§ Lende, Norman.....Faribault
† Lexa, F. J.....Lonsdale
*§Maertz, R. W.....Faribault
§ Mears, Robert F.....Northfield
Meyer, Frederick C.....Kenyon
Meyer, Paul F.....Faribault
Meyer, Robert P.....Faribault
§ Moses, Royal R.....Kenyon
§ Nelson, Ernest J.....Lonsdale
§ Nielson, Alvin M.....Northfield
§ Nuetzman, A. W.....Faribault
§ Orr, Burton A.....Faribault
Petersen, D. H.....Northfield
§ Robilliard, C. M.....Faribault
† Rohrer, C. A.....Des Moines, Ia.
Rumpf, Carl W.....Faribault
§ Rysgaard, George M.....Northfield
§ Stevenson, Frank W.....Faribault
§ Street, Bernard.....Northfield
Studer, Donald J.....Faribault
§ Traeger, Carl A.....Faribault
§ Weaver, Paul H.....Faribault
§ Wilson, Warren E.....Northfield

ST. LOUIS COUNTY MEDICAL SOCIETY

Carlton, Cook, Itasca, Lake and St. Louis Counties
Regular meetings, second Thursday in each month
Annual meeting, second Thursday in January
Election, second Thursday in December
Number of Members—258

President
Boyer, Samuel H., Jr.....Duluth

Secretary
Van Ryzin, D. J.....Duluth

§ Abraham, Arden L.....Duluth
§ Adams, Bertram S.....Hibbing
Addy, Edward R.....Gilbert
Ahola, Kenneth E.....Hibbing
§ Ahrens, Curtis F.....Duluth
Arko, J. L.....Hibbing
§ Athens, Alvin G.....Duluth
§ Aufderheide, Arthur.....Duluth
§ Backus, Reno W.....Nopeming
§ Bagley, Charles M.....Duluth
Bagley, Elizabeth C.....Duluth
§ Bagley, Wm. R.....Duluth
Baich, Velemir M.....Bovey
§ Bakkila, Henry E.....Duluth
§ Bardon, Richard.....Duluth
§ Barker, John D.....Duluth
Barney, Leon A.....Duluth
§ Barrett, Earl E.....Duluth
§ Becker, Fredk. T.....Duluth
§ Benell, Otto E.....Virginia
Bepko, Marie K.....Cloquet
Berdez, George L.....Duluth
§ Bergan, R. O.....Duluth
§ Bianco, Anthony J., Sr.....Duluth
‡§Bianco, Anthony J., Jr.....Duluth
† Binet, Henry E.....Grand Rapids
§ Blackmore, Sidney C.....Biwabik
§ Bloom, Joseph.....Duluth
‡ Bolz, J. A.....Camp Carson, Colo.
Boman, Paul G.....Duluth
Bouchelle, McLemore.....Virginia
Bowen, Robert L.....Hibbing
† Boyer, Samuel H., Sr.....Duluth
§ Boyer, Samuel H., Jr.....Duluth
§ Braun, Ohrmundt C.....Grand Rapids
§ Bray, Philip N.....Duluth
§ Brooker, Warren J.....Duluth
Buchanan, Gerald S.....Deer River
§ Buckley, Robert P.....Duluth
§ Butler, John K.....Cloquet
Cantwell, Wm. F.....International Falls
Chapman, Theodore L.....Duluth
§ Chermak, F. G.....International Falls
§ Christensen, Clarence H.....Duluth
§ Clark, Clarence L.....Duluth
Clark, Elizabeth A.....Duluth
§ Clark, Ivan T.....Duluth
§ Coll, Joseph J.....Duluth
† Collins, Arthur N.....Duluth
‡§Conley, F. W.....Ft. Hood, Texas
† Cope, Hershel E.....Virginia
§ Coventry, Wm. D.....Duluth
Cowan, George M.....Duluth
Detjen, Edward D.....Bigfork
§ Dickson, F. H., Jr.....Proctor
Doyle, George C.....Duluth
§ Dwyer, John J.....Duluth
§ Eckman, Philip F.....Duluth
§ Eckman, Ralph J.....Duluth
† Ekblad, John Wm.....Duluth
§ Eklund, C. D.....Duluth
§ Elias, Frank J.....Duluth
§ Emmanuel, Karl Wm.....Duluth
Eppard, Raymond M.....Cloquet
Erickson, George P.....Hibbing
Erskine, Gordon N.....Grand Rapids
* Estrem, Theo. A.....Hibbing
Evensta, John B.....Grand Rapids
§ Fawcett, Keith R.....Duluth
§ Fellows, Manley F.....Duluth
‡ Ferrell, Clarence R.....Grand Rapids
§ Feuling, John C.....Duluth
§ Fischer, Mario McC.....Duluth
§ Fisketti, Henry.....Duluth
§ Flynn, Bernard F.....Hibbing
§ Fredericks, Merriam G.....Duluth
§ Fuller, Josiah.....Duluth
§ Gillespie, M. G.....Duluth
§ Goldish, Daniel R.....Duluth
§ Goldish, Robert J.....Duluth
Goodman, Charles.....Virginia
§ Gowman, Lawrence R.....Duluth
†§Graham, Archibald W.....Chisholm
§ Grahek, Jack P.....Ely
§ Grinley, Andrew.....Grand Rapids
Grohs, William H.....Duluth
§ Haavik, John E.....Duluth
Halbert, John J.....Duluth
† Halliday, P. V.....Minneapolis
§ Halper, Bernard.....Hibbing
† Haney, Claude L.....Duluth
§ Hansen, Robert E.....Hibbing
Hanson, Ernest O.....Carlton
§ Harris, Carl N.....Hibbing
§ Hatch, Walter E.....Duluth
† Hayes, Michael F.....Moose Lake
§ Hedberg, G. A.....Nopeming
Hedenstrom, Paul H.....Duluth
Heiam, Wm. C.....Cook
§ Hilding, A. C.....Duluth
Hill, Fredk. E.....Duluth
Hirschboeck, F. J.....Duluth
§ Hoff, Herbert O.....Duluth
Hoover, Norman W.....Virginia
§ Houkom, S. S.....Duluth
Hutchinson, Henry.....Moose Lake
‡ Indihar, John E.....Virginia
§ Irwin, Homer R.....Hibbing
§ Jacobson, Clarence.....Chisholm
§ Jacobson, F. C.....Duluth
§ Jensen, Thorvold J.....Duluth
§ Jeronimus, Henry J.....Duluth
Jessico, C. M.....Duluth
Joffe, H. H.....Virginia
‡ Johnson, Edward A.....Virginia
§ Johnson, Karl E.....Duluth
§ Johnsrud, L. W.....Hibbing
Johnston, Henry W.....Virginia
†§Johnston, Rufus O.....Hibbing
§ Jolin, Francis M.....Bovey
Juntunen, Roy R.....Duluth
‡ Karges, L. E.....Grand Rapids
§ Kelley, Walter.....Duluth
§ Kelly, Albert C.....Duluth
Kelly, Robert T.....Nashwauk
§ Klein, Harry.....Duluth
§ Klein, Wm. A.....Duluth
§ Knapp, Frank N.....Duluth
§ Knoll, W. V.....Duluth
§ Kohlbry, Carl O.....Duluth
Koskela, Lauri...Shaker Heights, Ohio
§ Kotchevar, Frank R.....Eveleth
Kozberg, Oscar.....Moose Lake
§ Krueger, Victor R.....Nopeming
§ LaBree, Robert H.....Duluth
†§Laird, Arthur T.....Duluth
§ Latterell, K. E.....Duluth
Law, Harrison E.....Virginia
‡ Leek, Joseph H.....Duluth
Lepak, Francis J.....Duluth
Leppo, N. Erkki A.....Duluth
§ Litman, S. N.....Duluth
§ MacFarlane, P. H.....Chisholm
§ MacRae, G. C.....Duluth
§ Magney, F. H.....Duluth
‡ Magraw, R. M. San Francisco, Calif.
§ Malmstrom, J. A.....Virginia
† Marcley, Walter J.....Minneapolis
§ Martin, Wm. B.....Duluth
§ Martin, W. C.....Duluth
§ Mayne, Roy M.....Nopeming
† McCarty, Paul D.....Ely
† McCoy, Mary K.....Duluth
† McDonald, Archibald.....Duluth
§ McDonald, Owen G.....Duluth
§ McHaffie, Orval L.....Duluth
§ McKenna, M. J.....Grand Rapids
*§McLeod, James L.....Grand Rapids
§ McNutt, John R.....Duluth
Mead, Chas. H.....Duluth
§ Merriman, L. L.....Duluth
Moe, Thos.....Moose Lake
§ Moehring, H. G.....Duluth
Mollers, Theodore P.....Soudan
Monroe, Paul B.....Cloquet
§ Monserud, N. O.....Cloquet
§ Morsman, L. W.....Hibbing
§ Moyer, John B.....Duluth
Munson, Martin S.....Barnum
Murray, Robert A.....Hibbing
Nakamura, James.....Deer River
§ Neff, Walter S.....Virginia
§ Nelson, Robert L.....Duluth
§ Nicholson, M. A.....Duluth
§ Nisius, George F.....Duluth
§ Norberg, Carl E.....Cloquet
§ Nutting, Roland E.....Duluth
§ Olson, Archie.....Duluth
§ O'Neill, John C.....Duluth
Paciotti, V. J.....Minneapolis
§ Papermaster, Ralph.....Two Harbors
† Parker, Owen W.....Minneapolis
§ Parker, Wilbert H.....Chisholm
§ Parson, E. I.....Duluth
§ Pasek, Antone W.....Cloquet
§ Patch, O. B.....Duluth
† Pearsall, R. P.....Virginia
§ Pedersen, R. C.....Duluth
Pennie, D. F.....Duluth
Peterson, Edward N.....Virginia
§ Peterson, John H.....Duluth
§ Pierce, Jack R.....Virginia
Power, John E.....Duluth
Power, John E., Jr.....Duluth
Puumala, R. H.....Cloquet
Raadquist, C. S.....Hibbing
Raattama, John.....Keewatin
Rajala, Arnold.....Grand Rapids
Reed, Paul.....Virginia
§ Rokala, Henry E.....Virginia

†§Rood, Dana C. Santa Barbara, Calif.
Rowe, Olin W. Duluth
§ Rowles, E. K. Coleraine
§ Rudie, Peter S. Duluth
§ Runquist, John M. Duluth
Ryan, Wm. J. Duluth
§ Sach-Rowitz, Alvan Moose Lake
§ Salter, R. A. Virginia
Sandell, S. T. Nopeming
‡ Sanford, John B. Duluth
§ Sarff, O. E. Duluth
Sax, Milton H. Duluth
Sax, Simon G. Duluth
§ Schirber, M. J. Grand Rapids
§ Schmid, John F. Duluth
§ Schneider, L. E. Duluth
† Schroder, C. H. Pottstown, Penn.
§ Schweiger, T. R. Hibbing
§ Seashore, R. T. Duluth
§ Sher, David A. Virginia
Shirai, Shohei Coleraine
§ Siegel, John S. Virginia
§ Sinamark, Andrew Hibbing
Sisler, C. E. Grand Rapids
§ Smith, Cyril M. Duluth
Smith, W. R. Grand Marais
Snyker, Omer E. Ely
§ Spang, A. J. Duluth
§ Spang, J. S. Duluth
§ Spang, Wm. M. Duluth
Storsteen, Kenneth A. Duluth
‡§Strandjord, N. M. New York, N. Y.
†§Strathern, M. L. Gilbert
§ Strauss, Eugene C. Duluth
§ Strewler, G. J. Duluth
§ Strobel, Wm. G. Duluth
§ Sutherland, H. N. Ely
§ Swedberg, Wm. A. Duluth
§ Swenson, Arnold O. Duluth
‡§Teich, K. W. Fort Monmouth, N. J.
§ Tetlie, James P. Duluth
§ Terrell, B. J. Nopeming
Tingdale, Carlyle Hibbing
Tomhave, Wesley G. Hibbing
§ Tosseland, N. E. Duluth
Tuohy, Edward L. Duluth
§ Urberg, Samuel E. Duluth
Van Ryzin, D. J. Duluth
§ Walder, H. J. Duluth
† Walker, A. E. St. Paul
§ Wallace, M. O. Duluth
Walter, F. H. International Falls
§ Wells, Arthur H. Duluth
§ Wheeler, Danl. W. Duluth
§ Williams, Bruce F. P. Duluth
Winter, John A. Duluth
Wolff, John M. Duluth
†§Ylitalo, W. H. Rochester
§ Young, Thos. O. Duluth
§ Zupanc, Edward Duluth

SCOTT-CARVER COUNTY MEDICAL SOCIETY

Regular meetings, second Wednesday of each month
Annual meeting, June
Number of Members—26

President
Olson, C. J. Belle Plaine

Secretary
Rynda, E. R. New Prague

† Buck, Fredk. H. Shakopee
§ Cervenka, Chas. F. New Prague
‡§Doherty, Elmer M. New Prague
§ Hebeisen, Milton B. Chaska
Heinz, Ivy B. Shakopee
Heinz, Lawrence H. Shakopee
§ Juergens, Herman M. Belle Plaine
*§ Kortsch, F. P. Prior Lake
§ Kucera, Stanley T. Northfield
Larson, Leighton Watertown
§ Martin, T. P. Arlington
Nagel, Harold D. Waconia
Ninneman, Newton N. Waconia
† Novak, Edward E. New Prague
Olson, Chester J. Belle Plaine
§ Pearson, Bror F. Shakopee
† Pearson, Roy T. Shakopee
Pogue, Richard E. Watertown
§ Ponterio, James E. Shakopee
Rieschl, Elizabeth K. Jordan
§ Rynda, Edwin R. New Prague
† Sanford, James A. Savage
Simmonds, H. N. Prior Lake
Schimelpfenig, Geo. T. Chaska
§ Simons, Bernard H. Chaska
Stahler, Paul A. Jordan
†§Westerman, Alvin Montgomery

SOUTHWESTERN MINNESOTA MEDICAL SOCIETY

Cottonwood, Jackson, Murray, Nobles, Pipestone and Rock Counties
Regular meetings, on call
Annual meeting, October. Election, November
Number of Members—59

President
Pierson, Roy F. Slayton

Secretary
Heiberg, Olaf M. Worthington

§ Arnold, Elmer W. Adrian
§ Bader, J. L. Slayton
§ Basinger, H. R. Mountain Lake
Basinger, Homer P. Windom
§ Beckering, Gerrit Edgerton
§ Benjamin, W. G. Pipestone
§ Blattspieler, L. H. Worthington
Bofenkamp, Ferdinand Luverne
§ Boone, Ervin S. Luverne
§ Bouma, John H. Edgerton
† Brown, Alexander H. Pipestone
Buresh, Kenneth L. Westbrook
Carlson, J. V. Westbrook
§ Christiansen, H. A. Jackson
† De Boer, Hermanus Edgerton
Dokken, James H. Windom
Doman, Victor W. Lakefield
§ Hallin, Roger P. Worthington
§ Halloran, W. H. Jackson
§ Halpern, David J. Brewster
§ Harrison, P. W. Worthington
§ Heiberg, Olaf M. Worthington
§ Hoyer, Ludolph J. Windom
§ Karleen, B. N. Jackson
§ Keyes, Robert W. Pipestone
§ Kilbride, Edwin A. Worthington
§ Koenecke, F. H., Jr. Lakefield
§ Kotval, Russell J. Pipestone
§ Laikola, Leslie A. Adrian
§ Lohmann, John G. Pipestone
§ Maitland, Edwin T. Jackson
† Manson, Frank M. Worthington
§ Martin, Albert C. Luverne
§ Minge, Raymond K. Worthington
§ Nealy, Donald E. Adrian
§ Nelson, C. A. Worthington
§ Nicholson, R. W. Heron Lake
§ Nywall, Dean D. Slayton
§ Pankratz, P. J. Mountain Lake
§ Patterson, H. D. Slayton
‡ Philip, David R. Minneapolis
§ Pierson, Roy F. Slayton
§ Piper, William A. Mountain Lake
† Ritzinger, Fredk. R. Lakefield
§ Robinett, R. W. Worthington
§ Rose, John T. Lakefield
§ Sawtell, R. R. Worthington
§ Schade, F. L. Worthington
§ Schultz, Elmer S. Mountain Lake
§ Sherman, Charles L. Luverne
§ Slater, S. A. Worthington
§ Sogge, Ludwig L. Windom
§ Stam, John Worthington
Stanley Court R. Worthington
Stevenson, Basil M. Fulda
§ Stratte, H. C. Windom
§ Wells, Walter B. Jackson
§ Williams, Chas. A. Pipestone
† Williams, Leon A. Minneapolis

STEARNS-BENTON COUNTY MEDICAL SOCIETY

Regular meeting, third Thursday of each month
Annual meeting, December
Number of Members—65

President
Kelly, John F. Cold Spring

Secretary
Anderson, E. M. St. Cloud

§ Anderson, E. M. St. Cloud
Andrews, Bernice F. Holdingford
Autrey, William A. St. Cloud
§ Baumgartner, F. H. Albany
§ Beuning, John B. St. Cloud
† Brigham, C. F., Sr. St. Cloud
§ Brigham, C. F., Jr. St. Cloud
† Broker, Henry M. Minneapolis
§ Buscher, Julius C. St. Cloud
Cesnik, R. J. St. Cloud
§ Clark, Harry B. St. Cloud
Cleaves, W. D. Sauk Centre
Coseriu, Vasile St. Cloud
§ Donaldson, C. S. St. Cloud
DuBois, J. F., Sr. Sauk Centre
DuBois, J. F., Jr. Sauk Centre
Evans, Leslie Sauk Rapids
‡ Fidelman, N. E. Fort Sheridan, Ill.
§ Fleming, Thomas N. St. Cloud
§ Gaida, Joseph B. St. Cloud
§ Goehrs, Gilman H. St. Cloud
† Goehrs, Henry W. St. Cloud
Grant, John C. Sauk Centre
§ Halenbeck, P. L. St. Cloud
Henry, Clarence J. Milaca
‡ Henry, J. E. Milaca
Hoehn, David Holdingford
§ Jones, Richard N. St. Cloud
Keith, Paul J. Milaca
§ Kelly, John F. Cold Spring
Koenig, Robert P. Paynesville
† Kohler, Delphin W. Tacoma, Wash.
§ Kuhlmann, L. B. Melrose
† Lewis, C. B. St. Cloud
§ Libert, John N. St. Cloud
‡ Lindeman, R. J. Montgomery, Ala.
‡§Luckemeyer, C. J. Camp Polk, La.
†§McDowell, John P. St. Cloud
Meyer, Anthony A. Melrose
§ Milhaupt, E. N. St. Cloud
§ Musachio, N. F. Foley
Myre, Clifford R. Paynesville
§ Neils, Vernon E. Sauk Rapids
§ Nessa, Curtis B. St. Cloud

Nietfeld, Aloys.....Sauk Centre
§ O'Keefe, James P.....St. Cloud
§ Petersen, Robert T.....St. Cloud
§ Phares, Otto C.....St. Cloud
§ Raetz, Sylvester J.....Maple Lake
§ Reif, Henry J.....St. Cloud
§ Richards, Wm. B.....St. Cloud
§ Sandven, Nels O.....Paynesville
Schatz, F. J.....St. Cloud
† Schmitz, Everett J.....Seattle, Wash.
† Sherwood, G. E.....Kimball
‡§Simon, T. R.....St. Cloud
Sisk, Harvey E.....St. Cloud
Thuringer, Carl B.....St. Cloud
Veranth, L. A.....St. Cloud
§ Walfred, Karl A.....St. Cloud
‡ Wedes, Deno J.....Chicago, Ill.
§ Wenner, W. T.....St. Cloud
† Wetzel, E. V.....St. Paul
§ Wittrock, Louis H.....Watkins
Zachman, Albert H.....Melrose

STEELE COUNTY MEDICAL SOCIETY

Regular meetings, called by the officers
Annual meeting, February
Number of Members—21

President
McEnaney, C. T.....Owatonna

Secretary
Dewey, Donald H.....Owatonna

§ Anderson, F. C.....Owatonna
§ Arnesen, John F.....Owatonna
§ Dewey, Donald H.....Owatonna
† Ertel, Edward Q.....Ellendale
§ Fischer, J. R.....Blooming Prairie
§ Halvorsen, D. K.....Owatonna
Hartung, Elmer H.....Claremont
Kulstad, O. S.....Dodge Center
† Kurtin, H. J.....Milwaukee, Wisc.
† Kurtin, J. J.....Cudahy, Wisc.
§ Lundquist, C. W.....Owatonna
§ McEnaney, C. T.....Owatonna
§ McIntyre, John A.....Owatonna
†§Melby, Benedik.....Blooming Prairie
† Morehead, Dewey E.....Owatonna
§ Olson, Albert J.....Owatonna
§ Roberts, O. W.....Owatonna
§ Schaefer, J. F.....Owatonna
† Senn, Edward W.....Owatonna
§ Stransky, Theo. W.....Owatonna
§ Wilkowske, R. J.....Owatonna

UPPER MISSISSIPPI MEDICAL SOCIETY

Aitkin, Beltrami, Cass, Clearwater, Crow Wing, Hubbard, Koochiching, Lake of the Woods, Morrison, Todd, and Wadena Counties
Regular meetings, quarterly
Annual meeting, January
Number of Members—97

President
Vandersluis, C. W.....Bemidji

Secretary
Badeaux, G. I.....Brainerd

§ Badeaux, George I.....Brainerd
§ Beise, Rudolph A.....Brainerd
Bender, James H.....Brainerd
Benson, Alfred H.....Little Falls
Bolstad, Owen C.....Little Falls
Borgerson, A. H.....Long Prairie
Brabec, Paul F.....Bagley
‡ Brown, Hector M.....Walker
Cardle, George E.....Brainerd
Closuit, F. C.....Aitkin
Cook, Jay M.....Staples
§ Coombs, Carl H.....Cass Lake
*†Corrigan, J. E.....Spooner
Craig, Clair C.....International Falls
Crow, Earl R.....Walker
Cushing, Robert L.....Brainerd
Davis, Lloyd T.....Wadena
§ Davis, Luther E.....Wadena
Davis, Thos. L., Jr.....Wadena
DeWeese, W. J.....Bemidji
Eiler, John.....Park Rapids
§ Erickson, Alvin O.....Long Prairie
Fitzsimons, Wm. E.....Brainerd
§ Fortier, G. M. A.....Little Falls
Franklin, Gordon W.....Northome
Gacusana, J. M.....Mahnomen
Garlock, A. V.....Bemidji
Garlock, D. W.....Bemidji
‡ Garlock, G. L.....Bemidji
Ghostley, Mary C.....Bemidji
† Gilmore, Rowland.....Crookston
Griffin, John, Jr.....Bemidji
Groschupf, Theo. P.....Bemidji
Grose, Fredk. N.....Clarrissa
‡ Halme, W. B.....San Francisco, Calif.
§ Hanover, Ralph D.....International Falls
Hartjen, J. K.....Bemidji
Healy, Raymond T.....Pierz
‡ Heine, George W.....Little Falls
Hendricks, Esten J.....Saint Paul
Higgs, Walter W.....Park Rapids
Hildebrand, J. E.....Bemidji
‡ Hoganson, Donald E.....Bemidji
† House, Z. E.....Burbank, Calif.
Houston, Donald M.....Park Rapids
Hubbard, Otto E.....Brainerd
§ Hughes, Bernard J.....Brainerd
Janda, George W.....Port Clayton Hospital, Canal Zone
§ Johnson, Douglas L.....Little Falls
† Johnson, Einer W.....Bemidji
Johnson, Rudolph E.....Mankato
§ Kanne, Earl R.....Brainerd
Kelly, James H.....Wadena
Kilmer, Warren L.....International Falls
Kinports, E. B.....San Diego, Calif.
§ Knight, Edwin G.....Swanville
Larson, LeRoy J.....Bagley
Lee, Hubert W.....Brainerd
Leggett, Elizabeth.....Bemidji
§ Lenarz, Albert J.....Browerville
Longfellow, Helen W.....Brainerd
Lund, Werner J.....Stanles
Lundsten, Leslie C.....Bemidji
§ MacDonald, Roger A.....Little Fork
§ Marshall, C. M.....Crosby
McCann, Dan'l. F.....Bemidji
‡ McGreary, M. D.....Oceanside, Calif.
§ McLane, Wm. O.....Brainerd
§ Mosby, Maurice E.....Long Prairie
§ Mulligan, Arthur M.....Brainerd
Nelson, Nesmith P.....Minneapolis
Nixon, James B.....Crosby
Olson, Lillian A.....Ah-Gwah-Ching
§ Palmer, Harry A.....Blackduck
Parker, Charles W.....Wadena
Petraborg, Harvey T.....Aitkin
Pierce, Chas. H.....Wadena
§ Quanstrom, V. E.....Brainerd
Ringle, Otto F.....Walker
Rozycki, Anthony T.....Pine River
Sanderson, A. G.....Anoka
Schmitz, Glen P.....Little Falls
‡ Schwyzer, Arnold G.....Waltham, Mass.
Simons, Edwin J.....Edina
Skaife, William F.....Little Falls
Spurbeck, George A.....Ah-Gwah-Ching
§ Stein, Raymond J.....Pierz
‡ Stoy, R. A.....Chicago, Ill.
*†Thabes, J. A., Sr.....Brainerd
Thabes, J. A., Jr.....Brainerd
Vandersluis, C. W.....Bemidji
§ Watson, Alexander M.....Royalton
Watson, Percy T.....Northfield
§ Watson, Sidney W.....Royalton
Whittemore, Dexter D.....Bemidji
§ Will, Charles B.....Bertha
§ Will, Wm. W.....Bertha
Williams, M. M.....Ah-Gwah-Ching
Zeigler, Charles M.....Pine River

WABASHA COUNTY MEDICAL SOCIETY

Annual meeting, first Thursday after first Monday in October
Other meetings, as called by President
Number of Members—13

President
Ochsner, Clarence G.....Wabasha

Secretary
Flesche, Bernard A.....Lake City

§ Bayley, Emery C.....Lake City
§ Bouquet, Bertram J.....Wabasha
§ Bowers, Robert N.....Lake City
† Collins, Joseph S.....Wabasha
Ekstrand, LeRoy M.....Wabasha
§ Ellis, Earl W.....Elgin
§ Flesche, Bernard A.....Lake City
§ Gjerde, Wm. P.....Lake City
Glabe, Robert A.....Plainview
§ Mahle, Donald G.....Plainview
§ Ochsner, Clarence G.....Wabasha
† Replogle, W. H.....Los Angeles, Calif.
Wellman, T. G.....Clinton, Iowa
*†Wilson, W. F.....Lake City

WASECA COUNTY MEDICAL SOCIETY

Regular meetings, as decided
Annual meeting, January
Number of Members—10

President
Normann, Stephen T.....Waseca

Secretary
Florine, Martin C.....Janesville

§ Davis, Raymond D.....Waseca
§ Florine, Martin C.....Janesville
†§ Gallagher, Bernard J.....Waseca
§ Hottinger, Raymond C.....Janesville
§ McIntire, Homer M.....Waseca
§ Normann, Stephen T.....Waseca
§ Oeljen, Siegfried C. G.....Waseca
§ Olds, George H.....New Richland
† Swenson, Donald B.....Minneapolis
§ Swenson, Orvie J.....Waseca

WASHINGTON COUNTY MEDICAL SOCIETY

Regular meetings, second Tuesday in each month
Annual meeting, December
Number of Members—21

President
Johnson, Ray G.....Stillwater

Secretary
Carlson, Russel E.....Stillwater

§ Carlson, Russel E.....Stillwater
Fasbender, Herman.....Hastings
†§Haines, James H.....Stillwater
§ Holcomb, Joel T.....Marine-on-St. Croix
Hooper, Worth.....Hastings
Humphrey, Wade R.....Stillwater
§ Jenson, James E.....Stillwater
§ Johnson, Ray G.....Stillwater
Josewski, R. J.....Stillwater
§ Juergens, Manley.....Stillwater
Just, Herman J.....Hastings
Kulzer, Norbert.....Hastings
§ McCarten, F. M.....Stillwater
Mensheha, Nicholas.....Forest Lake
† Poirier, Jos. A.....Forest Lake
Racer, Harley J.....Stillwater
Ruggles, G. M.....Forest Lake
§ Sherman, Carnot H.....Bayport
§ Stuhr, John W.....Stillwater
Thompson, V. C.....Marine-on-St. Croix
Van Meier, Henry.....Stillwater

WEST CENTRAL MINNESOTA MEDICAL SOCIETY

Big Stone, Pope, Stevens, and Traverse Counties
Regular meetings, first Wednesday in March, May, September and November
Annual meeting, November
Number of Members—26

President
Eide, O. A.....Hancock

Secretary
Watson, Robert M.....Morris

§ Arneson, Arthur I.....Morris
§ Behmler, Fredk. W.....Morris
† Bolsta, Charles.....Ortonville
‡§Bucher, Foster D.....N. Y., N. Y.
†§Ebelin, Edward A.....Glenwood
§ Eide, O. A.....Hancock
*§Elsey, E. M.....Glenwood
† Elsey, James R.....Glenwood
† Fitzgerald, E. T.....Rialti, Calif.
§ Giesen, Allan F.....Starbuck
Hedemark, Homer H.....Ortonville
§ Karn, Jacob F.....Ortonville
§ Kooda, Jennings C.....Morris
Lee, G. E.....Glenwood
Letson, R. D.....Glenwood
§ Lindberg, Alfred L.....Wheaton
†§Linde, Herman.....Cyrus
§ Magnuson, Allen E.....Wheaton
* McIver, Bert A.....Lowry
§ Merrill, Robert W.....Morris
Muir, Walter E.....Browns Valley
§ O'Donnell, D. M.....Ortonville
§ Oliver, Irwin L.....Graceville
† Ransom, Matthias L.....Hancock
§ Rossberg, Raymond A.....Morris
‡§Salk, Richard J.....Sauk Rapids
§ Swedenburg, Paul A.....Glenwood
§ Watson, Robert M.....Morris

WINONA COUNTY MEDICAL SOCIETY

Regular meeting, first Monday in January, April, July and October
Annual meeting, first Monday in January
Number of Members—28

President
Boardman, D. V.....Winona

Secretary
Finkelnburg, Wm. O.....Winona

† Benoit, Frank T.....Winona
§ Christensen, Eli E.....Winona
§ Finkelnburg, Wm. O.....Winona
‡ Haesly, Warren W.....Winona
§ Hartwich, Roger F.....Winona
§ Heise, Herbert V. R.....Winona
§ Heise, Paul.....Winona
§ Heise, Phillip.....Winona
*†§Heise, W. F. C.....Winona
Hughes, S .O.....Winona
§ Johnston, L. F.....Winona
§ Loomis, G. L.....Winona
§ Mattison, Percy A.....Winona
† McLaughlin, Edmund M.....Winona
§ Meinert, Albert E.....Winona
§ Page, Raymond L.....St. Charles
†§Robbings, Chas. P.....Winona
§ Roemer, Henry J.....Winona
§ Rogers, Charles W.....Winona
§ Rollins, Pat.....St. Charles
§ Satterlee, Howard W.....Lewiston
§ Schmidt, Hilmar R.....Winona
§ Steiner, Irving W.....Winona
§ Tweedy, John A.....Winona
Vollmer, Fredk. J.....Winona
‡ Wilson, Louis J.....Winona
§ Wilson, Rolland H.....Winona
§ Woltjen, Myron J.....Rushford
§ Younger, Louis I.....Winona

WRIGHT COUNTY MEDICAL SOCIETY

Regular meetings every three months
Annual meeting, first Tuesday in October
Number of Members—17

President
Sandeen, Robert M.....Buffalo

Secretary
Catlin, Theodore J.....Buffalo

§ Anderson, Waldo P.....Buffalo
§ Bendix, Lester H.....Annandale
†§Catlin, John H.....Buffalo
§ Catlin, Theodore J.....Buffalo
§ Ellison, Frank E.....Monticello
§ Greenfield, Wm. T.....Cokato
Grundset, Ole J.....Montrose
§ Guilfoile, Pierre F.....Delano
Hagen, Kristofer.....Cokato
Hall, William E.....Maple Lake
§ Hart, William E.....Monticello
Larson, Loren J.....Minneapolis
§ Sandeen, Robert M.....Buffalo
§ Shragg, Robert I.....Howard Lake
§ Smorszczok, Mitrofan.....Monticello
§ Thielen, Robert D.....Saint Michael
§ Thomas, Wm. H.....Howard Lake

Alphabetic Roster

Key to Symbols: *Deceased; †Affiliate or Life Member; ‡In Service.

Aanes, Almer M.....Red Wing
‡ Abbott, Albert R.....Rochester
*†Aborn, W. H.....Hawley
Abraham, Arden L.....Duluth
Abramson, Milton.....Minneapolis
Achor, Richard W. P.....Rochester
Adair, Albert F., Jr.....St. Paul
Adams, Bertram S.....Hibbing
Adams, Richard C.....Rochester
Addy, Edward R.....Gilbert
Adkins, Charles D.....Minneapolis
† Adkins, Charles M.....Thief River Falls
Adkins, Galen H.....Anoka
Affeldt, Danl. E.....Kasson
† Aga, John H.....Rochester
Ager, Ernest A.....Minneapolis
Agustsson, Hreidar.....Minneapolis
Ahern, Eugene E.....Minneapolis
Ahlfs, Jacob J.....Caledonia
Ahola, Kenneth E.....Hibbing
† Ahrens, Albert E.....St. Paul
Ahrens, Curtis F.....Duluth
Ahrens, Robert M.....St. Paul
† Aitkens, Herbert B.....LeCenter
Akey, Robert M.....Rochester
Akins, Willard M.....Red Wing
Albrecht, H. H.....Chisago City
Alcorn, Wm. J.....Wabasso
‡ Alden, J. F., Jr.....Ft. Smith, Ark.
Alexander, Harlan A.....Minneapolis
Aling, Charles A.....Minneapolis
Allen, Edgar V. N.....Rochester
Allen, George S.....Cannon Falls
Allen, John H.....Montevideo
Allen, Raymond A.....Rochester
Allison, David D.....Litchfield
Althausen, Theo. L., Jr.....Minneapolis
Altnow, Hugo O.....Coral Gables, Fla.
† Amberg, Saml.....Rochester
Andersen, Howard A.....Rochester
Andersen, Silas C.....Minneapolis
Anderson, Arnold S.....St. Louis Park
Anderson, Chester A.....Hector
Anderson, Chester A.....Madison
Anderson, David P., Jr.....Austin
Anderson, David M.....Minneapolis
‡ Anderson, Donald C.....N. Y., N. Y.
† Anderson, Edward D.....Minneapolis
Anderson, Ernest M.....St. Cloud
Anderson, Ernest R.....Minneapolis
Anderson, Frank J.....Minneapolis
Anderson, Franklin C.....Owatonna
Anderson, Harold J.....Austin
Anderson, James J.....Mankato
Anderson, Karl W.....Minneapolis
Anderson, Margaret C.....Mankato
Anderson, Mark J.....Rochester
‡ Anderson, Milton W.....Rochester
Anderson, Richard E.....Willmar
Anderson, Richard W.....St. Paul
Anderson, Roger L.....Minneapolis
Anderson, U. Schuyler.....Minneapolis
Anderson, Waldo P.....Buffalo
Anderson, Wallace E.....Clearbrook
Anderson, Wallace E.....Lakeville
Anderson, Wallace R.....Austin
Anderson, Wm. H.....Minneapolis
Anderson, Wm. T.....Minneapolis
Andreassen, Einar C.....St. Paul
Andreassen, Rolf.....Minneapolis
Andresen, K. D'A.....Minneapolis
Andrews, Bernice F.....Holdingford
Andrews, Robert S.....Minneapolis
Andrews, Roy N.....Mankato
Ankner, Frank J.....Minneapolis
Antel, John J.....Rochester
Archer, Willard E.....Anoka
† Ardan, Nicholas, Jr.....Rochester
Arends, Archabald L.....Richfield
Arey, S. Lane.....Minneapolis
Arko, Joseph L.....Hibbing
Arlander, Clarence E.....Minneapolis
Arling, Leonard S.....Minneapolis
Arms, James J.....Minneapolis
Armstrong, Ralph S.....Winnebago
Arndt, Harry Wm.....Detroit Lakes
Arnesen, John F.....Owatonna
Arneson, Arthur I.....Morris
Arnold, Anna W.....Minneapolis
Arnold, Elmer Wm.....Adrian
Arnquist, Andrew S.....St. Paul
Arny, Fredk. P.....St. Paul
Arvidson, Carl G.....Minneapolis
Arzt, Philip K.....St. Paul
Athens, Alvin G.....Duluth
Atmore, Wm. G.....Rochester
Aufderheide, Arthur C.....Duluth
† Aune, Martin.....Minneapolis
† Aurand, Wm. H.....Minneapolis
Aurelius, J. Richards.....St. Paul
Ausman, Duane R.....St. Paul
Autrey, William A.....St. Cloud
Austrian, Sol.....Cosmos

‡ Baars, Conrad W.....Camp Cook, Calif.
Babb, Frank S.....St. Paul
Backus, Reno W.....Nopeming
Bacon, Donald K.....St. Paul
Badeaux, George I.....Brainerd
Bader, J. L.....Slayton
Baer, Walter.....St. Paul
‡ Bagby, G. W.....Ft. Leonard Wood, Md.
Baggenstoss, Archie H.....Rochester
Baggenstoss, Osmond J.....Minneapolis
Bagley, Charles M.....Duluth
Bagley, Elizabeth C.....Duluth
Bagley, Russell W.....Minneapolis
Bagley, Wm. R.....Duluth
Baich, Velemir M.....Bovey
‡ Bain, Robert C.....Oakland, Calif.
Bair, Hugo L.....Rochester
Baird, Joe W.....Minneapolis
Baird, Raymond L.....Lake Crystal
Baken, Melvin P.....Minneapolis
Baker, A. B.....Minneapolis
Baker, Alfred T.....Minneapolis
Baker, Geo. S.....Rochester
† Baker, Harry R.....Hayfield
‡ Baker, Hillier L., Jr. West Point, N. Y.
Baker, Jeannette L.....Fergus Falls
† Baker, Looe.....Minneapolis
Baker, Milton E.....Minneapolis
Baker, Norman H.....Fergus Falls
Baker, Russell L.....Madison, Wisc.
Bakkila, Henry E.....Duluth
Balcome, Milton M.....St. Paul
Baleisis, Peter.....Minneapolis
† Balfour, Donald C.....Rochester
Balfour, Wm. M.....Rochester
Balkin, Saml. G.....Minneapolis
Balogh, Charles J.....Minneapolis
Bank, Harry E.....San Francisco, Calif.
Banner, Edward A.....Rochester
Barber, Tracy E.....Austin
Bardon, Richard.....Duluth
Bargen, J. Arnold.....Rochester
Barker, John D.....Duluth
Barker, Nelson W.....Rochester
Barnes, Arlie R.....Rochester
Barnett, Joseph M.....St. Paul
Barney, Leon A.....Duluth
‡ Barno, Alex.....St. Louis Park
Baronofsky, Ivan D.....Minneapolis
Barr, Lowell C.....Albert Lea
Barr, Maxwell M.....Minneapolis
Barr, Robert N.....Minneapolis
Barr, Ronald W.....Montevideo
Barrett, Earl E.....Duluth
Barron, Jesse J.....Minneapolis
† Barron, Moses.....Minneapolis
Barron, S. Steven.....Minneapolis
* Barry, Lee W.....St. Paul
† Barsness, Nellie O. N.....St. Paul
Basinger, Harvey R.....Mountain Lake
Basinger, Homer P.....Windom
Bastron, James A.....Rochester
Batdorf, B. Niles.....Good Thunder
Bauer, Eugene L.....St. Paul
Baumgartner, Florian H.....Albany
† Baxter, Stephen H.....Minneapolis
Bayley, Emery C.....Lake City
‡ Bayard, Edwin D.....Rochester
Beach, Northrop.....Minneapolis
Beahrs, Oliver H.....Rochester
† Beals, Hugh.....St. Paul
Beaton, J. Gordon.....Northfield
† Becker, Arnetta M.....Minneapolis
Becker, Fredk. T.....Duluth
Beckering, Gerrit.....Edgerton
† Beddow, Ralph M.....Rochester
Bedford, Edgar Wm.....Minneapolis
Beech, Raymond H.....St. Paul
Beek, Harvey O.....St. Paul
Beer, John J.....St. Paul
‡ Behling, Fredk. L.....Barston, Calif.
Behmler, Fredk. W.....Morris
Behr, Orlo K.....Crookston
Beirstein, Samuel.....Minneapolis
Beise, Rudolph A.....Brainerd
Beiswanger, Richard H.....Minneapolis
Bell, Chas. G.....St. Paul
† Bell, E. T.....Minneapolis
Bellomo, James.....St. Paul
‡ Bellomo, John.....St. Paul
Bellville, Titus P.....Minneapolis
Belzer, Meyer S.....Minneapolis
Bender, James H.....Brainerd
‡ Bender, Leonard F.....San Diego, Calif.
Bendix, Lester H.....Annandale
Benell, Otto E.....Virginia
Benepe, James L.....St. Paul
Benesh, Louis A.....Minneapolis
*†Benjamin, A. E.....Minneapolis
Benjamin, Edwin G.....Minneapolis
Benjamin, Harold G.....Minneapolis
Benjamin, Walter G.....Pipestone
Bennett, Warren A.....Rochester
† Bennion, P. H.....Isway, Montana
Benoit, Clair.....Rochester
† Benoit, Frank T.....Winona
Benson, Alfred H.....Little Falls
Benson, E. S.....Minneapolis
Bentley, Norman P.....St. Paul
Bepko, Marie K.....Cloquet
Berdez, George L.....Duluth
Bergan, R. O.....Duluth
Berge, David O.....Roseau
Berge, Harry L.....Mora
† Berge, Henry B.....Rochester
† Berge, Kenneth.....Rochester
Berger, Alex G.....Minneapolis
Bergh, Geo. S.....Miinneapolis
Bergh, Solveig M.....Minneapolis
Berglund, Eldon B.....Minneapolis
Bergman, Oscar B.....St. James
Bergquist, Karl E.....Battle Lake
† Berkman, David M.....Oronoco
Berkman, John M.....Rochester
Berkwitz, Nathaniel J.....Minneapolis
Berlin, Anthony S.....Hallock
Berman, Reuben.....Minneapolis
‡ Bernatz, Philip E. San Francisco, Calif.
Bernier, M. J.....No. St. Paul
Bernstein, Irving C.....Minneapolis
Bernstein, Wm. C.....St. Paul
Bessesen, Alfred N., Jr.....Minneapolis
Bessesen, Dan'l. H.....Buffalo Lake
† Bessesen, Wm. A.....Minneapolis
Beuning, John B.....St. Cloud
‡ Beyer, Eugene.....San Francisco, Calif.
Bianco, Anthony J.....Duluth
‡ Bianco, Anthony J., Jr.....Duluth
Bicek, Jos. F.....St. Paul
Bickel, Wm. H.....Rochester
† Biedermann, Jacob.....Thief River Falls
Bieter, R. N.....Minneapolis
† Bigelow, Chas. E.....Dodge Center
Bigler, Earl E.....Perham
Bigler, Ivan E.....Perham
Bilka, P. J.....Minneapolis
Billings, Ralph E.....Franklin
Binder, Manuel R.....Minneapolis
† Binet, Henry E.....Grand Rapids
† Binger, Henry E.....Phoenix, Ariz.
Bjornson, Robt. G.....N. Y., N. Y.
Black, B. Marden.....Rochester
Black, Earl J.....St. Paul
Black, Wm. A.....New Ulm
Blackburn, Charles M.....Rochester
Blackmore, Sidney C.....Biwabik
Blake, Allen J.....Hopkins
Blake, James A.....Hopkins
Blake, Paul S.....Hopkins
† Blakey, Adam R.....Osakis
Blattspieler, Lucian H.....Worthington
Block, Melvin A.....Detroit, Mich.
Bloedel, Traugott J. G.....Osseo
Blomberg, Wm. R.....Princeton
Bloom, Joseph.....Duluth
Bloom, Norman B.....Minneapolis
Blumberg, Henry B.....Fairmont
Blumenthal, Jacob S.....Minneapolis
† Bock, Ronald A.....St. Paul
Bockman, Michael W. H.....Hot Springs Nat'l Park, Ark.

Bodaski, Albert A. ..... Tyler
‡ Bodelson, A. H. ..... Fulda
† Boeckmann, Egil ..... St. Paul
Boehrer, John J. ..... Minneapolis
Bofenkamp, Benjamin ..... Minneapolis
Bofenkamp, F. Wm. ..... Luverne
‡ Bohn, Donald G. ..... Minneapolis
Boies, Lawrence R. ..... Minneapolis
Bolender, Harold L. ..... St. Paul
Boline, Clifford A. ..... Battle Lake
† Bolsta, Chas. ..... Ortonville
Bolstad, Owen C. ..... Little Falls
‡ Bolz, J. A. ..... Camp Carson, Colo.
Boman, Paul G. ..... Duluth
Bonello, Frank J. ..... St. Paul
Bonnet, John D. ..... Rochester
Boone, Ervin S. ..... Luverne
† Booth, Albert E. ..... Minneapolis
*† Boothby, W. M. ..... Albuquerque, N. M.
Boreen, Clifton A. ..... Minneapolis
Borg, Jos. F. ..... St. Paul
* Borgen, Alfred E. ..... St. Paul
Borgerson, Arthur H. ..... Long Prairie
† Borgeson, Egbert J. ..... St. Paul
Borman, C. N. ..... Minneapolis
Borowicz, Leonard A. ..... Minneapolis
Bosland, Howard G. ..... Willmar
† Bossard, John W. ..... Rochester
† Bossert, Clarence S. ..... Mora
‡ Boswell, J. Thornton ..... Portsmouth, Va.
Botham, Richard J. ..... Rochester
Bottolfson, Bottolf T. ..... Moorhead
Bouchelle, McLemore ..... Virginia
Bouma, John H. ..... Edgerton
† Bouma, Lewis R. ..... St. Paul
Bouquet, Bertram J. ..... Wabasha
Bowen, Robt. L. ..... Hibbing
Bowers, G. G. ..... Minneapolis
Bowers, Robt. N. ..... Lake City
† Bowes, Donald E. ..... Rochester
Boyd, David A., Jr. ..... Rochester
† Boyd, George K. ..... Rochester
* Boyd, Leon M. ..... Alexandria
Boyer, George S. ..... Crookston
† Boyer, Saml. H., Sr. ..... Duluth
Boyer, Saml. H., Jr. ..... Duluth
Boynton, Ruth E. ..... Minneapolis
Boysen, Herbert ..... Madelia
† Boysen, Peter ..... Bemidji
Braasch, John W. ..... Rochester
† Braasch, Wm. F. ..... Rochester
Brabec, Paul F. ..... Bagley
† Brackett, Ralph D. ..... Rochester
Bradley, N. J. ..... Willmar
Brady, Joan V. ..... Rochester
Brand, Geo. D. ..... St. Paul
† Brand, Wm. A. ..... Redwood Falls
Brandenburg, John T. ..... Rochester
Brandenburg, Robt. O. ..... Rochester
Branham, Donald S. ..... St. Peter
Bratrud, A. F. ..... Minneapolis
† Bratrud, Edward ..... Thief River Falls
Bratrud, Theo. E. ..... Minneapolis
Bratrude, Earl J. ..... St. James
Braun, Ohrmundt C. ..... Grand Rapids
Braun, Robert A. ..... Rochester
† Bray, Elwyn R. ..... St. Paul
Bray, Philip N. ..... Duluth
* Bregel, Fred L. ..... St. Paul
‡ Breitenbucher, R. B. ..... Columbia, S. C.
Brekke, Harvey J. ..... Minneapolis
Bretzke, Carl O. ..... Greenbush
Brickley, Paul M. ..... Rochester
Bridge, Allyn G. ..... Minneapolis
Bridge, Ezra V. ..... Cannon Falls
Briggs, John F. ..... St. Paul
† Brigham, Chas. F., Sr. ..... St. Cloud
Brigham, Chas. F., Jr. ..... St. Cloud
Brill, Alice K. ..... Minneapolis
Brindley, Clyde O. ..... Rochester
Brink, Adlai A. ..... Baudette
Brink, Donald M. ..... Hutchinson
Broadbent, James C. ..... Rochester
Broadie, Thos. E. ..... St. Paul
‡ Broders, C. W. ..... San Francisco, Calif.
Brodie, Walter D. ..... St. Paul
† Broker, Henry M. ..... Minneapolis
Brooker, Warren J. ..... Duluth
† Brooks, Charles N. ..... Minneapolis
Brown, Alexander ..... Rochester
† Brown, Alexander H. ..... Pipestone
† Brown, Edgar D. ..... Paynesville
‡ Brown, Hector M. ..... Walker
Brown, Henry A. ..... Rochester
Brown, Ian A. ..... Minneapolis
Brown, Joe R. ..... Rochester
† Brown, John C. ..... Los Gatos, Calif.
Brown, Philip W. ..... Rochester
Brown, Roland G. ..... Rochester
Brown, Wm. D. ..... Minneapolis
Bruhl, Heinz H. ..... Faribault

Brunsting, Louis A. ..... Rochester
Brusegard, James F. ..... Red Wing
Buchanan, Gerald S. ..... Deer River
‡ Bucher, Foster D. ..... New York, N. Y.
Buchstein, Harold F. ..... Minneapolis
† Buck, Fredk. H. ..... Shakopee
Buckley, Robt. P. ..... Duluth
Buesgens, Ralph H. ..... Waterville
Buie, Louis A. ..... Rochester
Buirge, Raymond E. ..... Minneapolis
Bulinski, Theo. J. ..... St. Paul
Bulkley, Kenneth ..... Minneapolis
Bunker, B. W. ..... Anoka
Burch, E. P., II ..... St. Paul
† Burch, Frank E. ..... St. Paul
Burchell, Howard B. ..... Rochester
Buresh, Kenneth L. ..... Westbrook
Burke, Edmund C. ..... Rochester
Burklund, Edwin C. ..... St. Paul
Burlingame, David A. ..... St. Paul
Burmeister, Richard ..... St. Paul
Burnett, Clem F., Jr. ..... Crookston
Burnham, Wesley H. ..... Minneapolis
Burns, Catherine ..... Albert Lea
Burns, Floyd M. ..... Milan
Burns, M. Alpheus ..... Milan
† Burns, Robt. M. ..... St. Paul
Burseth, Edgar C. ..... Mora
Burton, Carl G. ..... St. Paul
Buscher, Julius C. ..... St. Cloud
Bush, Robert P. ..... St. Paul
Bushard, Wilfred J. ..... Minneapolis
Busher, Herbert H. ..... St. Paul
Butler, John K. ..... Cloquet
Butt, Hugh R. ..... Rochester
Butturff, Carl R. ..... Freeborn
Butzer, John A. ..... Mankato
Buzzelle, Leonard K. ..... Minneapolis

Cable, Morris L. ..... Minneapolis
Cabot, Clyde M. ..... Minneapolis
* Cabot, V. S. ..... Minneapolis
Cady, Laurence H. ..... Minneapolis
Cain, Clark L. ..... St. Paul
Cain, James C. ..... Rochester
Cain, James H. ..... Hoffman
Cairns, Robert J. ..... Redwood Falls
† Calhoun, F. W. ..... Albert Lea
Callahan, Francis F. ..... St. Paul
Cameron, Isabell L. ..... Minneapolis
Cameron, John H. ..... Crookston
Campagna, Mario J. ..... Rochester
Campbell, Donald C. ..... Rochester
Campbell, Lowell M. ..... Minneapolis
Campbell, Orwood J. ..... Minneapolis
Cantwell, Wm. F. ..... International Falls
Caplan, Leslie ..... Minneapolis
‡ Card, Wm. H. ..... Minneapolis
Cardle, George E. ..... Brainerd
Carey, James B. ..... Minneapolis
Carey, John M. ..... Rochester
Carlander, Lester W. ..... Minneapolis
Carley, Walter A. ..... St. Paul
Carlson, Carl E. ..... Alexandria
Carlson, J. V. ..... Westbrook
Carlson, Lawrence ..... Minneapolis
Carlson, Leonard T. ..... Minneapolis
Carlson, Russell E. ..... Stillwater
Carlson, Vernon J. ..... Moorhead
Caron, Robt. P. ..... Minneapolis
Carr, David T. ..... Rochester
Carroll, John J. ..... Montevideo
Carroll, Wm. C. ..... St. Paul
Carryer, Haddon M. ..... Rochester
Carthey, Frank J. ..... New Ulm
Caspers, Carl G. ..... Minneapolis
† Catlin, John J. ..... Buffalo
Catlin, Theo. J. ..... Buffalo
Caruolo, Joseph E. ..... Rochester
† Cavanor, Frank T. ..... Minneapolis
Cedarleaf, Cherry B. ..... St. Paul
Ceder, Elmer T. ..... Minneapolis
Ceplecha, Stanley F. ..... Redwood Falls
Cervenka, Chas. F. ..... New Prague
Cesnik, R. J. ..... St. Cloud
Chadbourn, Chas. R. ..... St. Paul
† Chadbourn, Wayne A. ..... Minneapolis
Chalgren, Wm. S. ..... Mankato
Challman, Samuel A. ..... Minneapolis
Chambers, Winslow C. ..... Blue Earth
Chance, Donald P. ..... Rochester
Chapman, T. L. ..... Duluth
Chatterton, Carl C. ..... St. Paul
Chavez, Demetrio A. ..... Minneapolis
Chermak, Francis G. ..... Internat'l Falls
Chesler, Merrill D. ..... Minneapolis
Chesley, Albert J. ..... Minneapolis
Childs, Donald S., Jr. ..... Rochester
Chiles, N. H. ..... Rochester
Chisholm, Tague C. ..... Minneapolis

Christensen, Clarence H. ..... Duluth
Christensen, Eli E. ..... Winona
Christensen, L. E. ..... Minneapolis
Christensen, Norman A. ..... Rochester
Christiansen, Andrew ..... St. Paul
Christiansen, Harold A. ..... Jackson
* Christianson, H. W. ..... Minneapolis
Chunn, Stanley S. ..... Willmar
Clagett, Oscar T. ..... Rochester
Clark, Clarence L. ..... Duluth
Clark, Elizabeth A. ..... Duluth
Clark, Harry B. ..... St. Cloud
Clark, Henry B., Jr. ..... Minneapolis
Clark, Ivan T. ..... Duluth
Clark, Leslie Wm. ..... Spring Valley
Clarke, Eric K. ..... Minneapolis
Clay, Lyman B. ..... Minneapolis
† Clayburgh, Bennie J. ..... Rochester
Claydon, Howard F. ..... Red Wing
Cleaves, Wm. D. ..... Sauk Centre
† Clement, John B. ..... Lester Prairie
Clifford, Geo. W. ..... Alexandria
Closuit, Fredk. C. ..... Aitkin
* Clothier, E. F. ..... Elk River
Cochrane, Bryon B. ..... St. Paul
Cochrane, Ray F. ..... Minneapolis
Coddon, Walter D. ..... St. Paul
Coe, John I. ..... Minneapolis
Cohen, B. A. ..... Minneapolis
Cohen, Ellis N. ..... St. Paul
Cohen, Ephraim B. ..... Minneapolis
Cohen, Maynard M. ..... St. Paul
Cohen, Sumner S. ..... Oak Terrace
Colby, M. Y., Jr. ..... Rochester
Cole, Wallace H. ..... St. Paul
Coleman, John B. ..... St. Paul
Coll, James J. ..... Duluth
† Collie, H. G. ..... St. Petersburg, Fla.
† Collins, Arthur N. ..... Duluth
Collins, Joseph S. ..... Wabasha
† Collins, Robert A., Jr. ..... Rochester
Combacker, Leon C. ..... Fergus Falls
Comfort, Mandred W. ..... Rochester
Condit, Wm. H. ..... Minneapolis
‡ Conley, Francis W. ..... Ft. Hood, Texas
Conley, Robert H. ..... Mankato
Connelly, Michael E. ..... Rochester
‡ Connolly, Coleman J. ..... Ft. Belvoir, Va.
Connor, Chas. E. ..... St. Paul
Cook, Carroll K. ..... St. Paul
Cook, Edward N. ..... Rochester
Cook, Jay M. ..... Staples
Cooley, Jack C. ..... Rochester
Coombs, Carl H. ..... Cass Lake
Cooney, James F. ..... Rochester
Cooper, Charles C. ..... St. Paul
Cooper, John P. ..... Excelsior
Cooper, Maurice D. ..... Winnebago
Cooper, Robt. R. ..... Minneapolis
† Cope, H. B. ..... Virginia
Corbin, Kendall B. ..... Rochester
Corniea, Albert D. ..... Minneapolis
Correa, Dale H. ..... Minneapolis
*† Corrigan, J. E. ..... Spooner
Coseriu, Vasile ..... St. Cloud
Cosgriff, James A., Sr. ..... Olivia
Cosgriff, James A., Jr. ..... Olivia
† Costello, Addis ..... Rochester
Coulter, Harold E. ..... Madelia
Counseller, Virgil ..... Rochester
Countryman, Roger S. ..... St. Paul
Coventry, Markham B. ..... Rochester
Coventry, Wm. D. ..... Duluth
Covey, K. W. ..... Mahnomen
Cowan, Donald W. ..... Minneapolis
Cowan, George M. ..... Duluth
Craig, Clair C. ..... International Falls
Craig, David M. ..... St. Paul
Craig, Joe D. ..... Rochester
Craig, M. Elizabeth ..... Minneapolis
Craig, W. McK. ..... Rochester
Cranmer, Richard R. ..... Minneapolis
Cranston, Robt. W. ..... Minneapolis
Creevy, Chas. D. ..... Minneapolis
Creighton, Ralph H. ..... Minneapolis
*† Crenshaw, John L. ..... Sanford, Fla.
Critchfield, Lyman R. ..... St. Paul
Cronwell, Bernhard J. ..... Austin
Crow, Earl R. ..... Walker
Crowley, James H. ..... St. Paul
Crudo, Vincent D. ..... St. Paul
† Crumbley, James J. ..... Rochester
Crump, James W. ..... St. Paul
Culligan, John M. ..... St. Paul
Culligan, Leo C. ..... Minneapolis
Culp, Ormond S. ..... Rochester
Culver, L. G. ..... St. Paul
Cundy, Donald T. ..... Minneapolis
Curtis, Rauen A. ..... Le Center
Cushing, Robert L. ..... Brainerd
† Cutts, George ..... Minneapolis

Dady, Elmer E. ..... Minneapolis
Daehlin, Rolf ..... Fergus Falls
Daggett, Donald R. ..... Minneapolis
Dahl, Elmer O. ..... Minneapolis
*†Dahl, G. A. ..... Mankato
‡ Dahl, James C. ..... Minneapolis
Dahl, John A. ..... Minneapolis
Dahlin, David C. ..... Rochester
‡ Dahlstet, John J. ..... San Diego, Calif.
† Daignault, Oscar ..... Benson
Dale, Lester N. ..... Red Lake Falls
‡ Daly, David ..... Rochester
† Daniel, Donald H. ..... Minneapolis
† Danielson, Karl A. ..... Litchfield
Danyluk, Michael ..... Minneapolis
Dargay, Cyril P. ..... Minneapolis
Daugherty, Guy W. ..... Rochester
David, Reuben ..... Minneapolis
Davis, Austin C. ..... Rochester
† Davis, Donald R. ..... Rochester
Davis, Edw. V. ..... St. Paul
Davis, Geo. D. ..... Rochester
† Davis, Harry L. ..... Rochester
Davis, Jay C. ..... Minneapolis
Davis, Lloyd T. ..... Wadena
Davis, Luther F. ..... Wadena
Davis, Raymond D. ..... Waseca
Davis, Robert E. ..... Rochester
Davis, Thomas L. ..... Wadena
Davis, Wm. I. ..... Mound
Dawson, James R. ..... St. Paul
Dawson, Lorin D. ..... Minneapolis
Dearing, Wm. H. ..... Rochester
† DeBoer, Hermanus ..... Edgerton
Decker, Chas. H. ..... St. Paul
Decker, David G. ..... Rochester
DeGeest, James H. ..... Goodhue
DeKruif, Hendrik ..... Fergus Falls
† Delmore, J. L., Sr. ..... Roseau
Delmore, J. L., Jr. ..... Roseau
Delmore, Robert J. ..... Roseau
Del Plaine, C. W. ..... Minneapolis
Demo, Robert A. ..... Albert Lea
Derauf, Benjamin I. ..... St. Paul
Deters, Donald C. ..... St. Paul
Detjen, Edward D. ..... Big Fork
Deveraux, Thos. J. ..... Wayzata
Devine, Kenneth D. ..... Rochester
DeWall, Richard A. ..... Anoka
DeWeerd, James H. ..... Rochester
Deweese, Wilford J. ..... Bemidji
Dewey, Donald H. ..... Owatonna
Dickson, F. H., Jr. ..... Proctor
† Dickson, Thos. H. ..... St. Paul
Diefenbach, E. J., Jr. ..... Minneapolis
Diehl, Harold S. ..... Minneapolis
Diessner, A. W. ..... Redwood Falls
Diessner, Grant R. ..... Rochester
Diessner, Henry D. ..... Minneapolis
‡ Dillard, P. G., Jr. ..... Camp Carson, Colo.
Dille, Donald E. ..... Litchfield
Dixon, Claude F. ..... Rochester
Doane, Joseph C. ..... Rochester
Dobson, M. W. ..... Mankato
Dobson, Ross A. ..... Rochester
Dockerty, Malcolm B. ..... Rochester
Dodds, Wm. C. ..... Detroit Lakes
Dodge, H. W., Jr. ..... Rochester
‡ Doherty, Elmer M. ..... New Prague
Dokken, James H. ..... Windom
Doman, V. Wm. ..... Lakefield
Doms, Vernon A. ..... Elbow Lake
Donaldson, Chas. S. ..... St. Cloud
Donatelle, E. P. ..... Minneapolis
† Donin, J. F. ..... Winnipeg, Can.
Donoghue, Francis E. ..... Rochester
* Donohue, P. F. ..... St. Paul
Donovan, Danl. L. ..... Albert Lea
Dordal, John ..... Sacred Heart
Dorge, Richard I. ..... Minneapolis
Dornbach, Robert A. ..... Excelsior
† Dornblaser, Harry B. ..... Minneapolis
Dorsey, Cletis S. ..... Rochester
Dorsey, Geo. C. ..... Minneapolis
Douglas, Kenneth W. ..... Willmar
Douglass, Bruce E. ..... Rochester
‡ Dovenmuehle, Robt. H. ..... Durham, N. C.
† Doxey, Gilbert L. ..... Minneapolis
Doyle, Geo. C. ..... Duluth
Doyle, James R. ..... Rochester
Doyle, Lawrence O. ..... Minneapolis
Drake, Carl B. ..... St. Paul
† Drake, Charles R. ..... Minneapolis
† Dredge, Homer P. ..... Sandstone
Dredge, Thomas E. ..... Minneapolis
Drexler, Geo. W. ..... Blue Earth
Drill, Herman E. ..... Hopkins
† Drips, Della G. ..... Rochester
Dry, Thos. J. ..... Rochester
Dubbe, Fredk. H. ..... New Ulm
DuBois, J. F., Sr. ..... Sauk Centre
DuBois, J. F., Jr. ..... Sauk Centre
Duff, Edwin R. ..... Minneapolis
Dummer, Donald J. ..... Minneapolis
Duncan, James W. ..... Moorhead
† Dungay, Neil S. ..... Northfield
Dunlap, Earl H. ..... Minneapolis
Dunn, Jack, Jr. ..... Rochester
Dunn, James N. ..... St. Paul
Dupont, Joseph A. ..... Excelsior
Duryea, Willis M. ..... Minneapolis
DuShane, James W. ..... Rochester
† Dutton, C. E. ..... Minneapolis
Dvorak, Benj. A. ..... Minneapolis
Dwan, P. F. ..... Minneapolis
Dworsky, Saml. D. ..... Minneapolis
Dwyer, John J. ..... Duluth
‡ Dykstra, Peter C. ..... West Point, N. Y.
Dysterheft, Adolf F. ..... Gaylord

Earl, Geo. A. ..... St. Paul
Earl, John R. ..... St. Paul
Eaton, Lealdes M. ..... Rochester
Eberley, Tobe S. ..... Benson
† Eberlin, Edw. A. ..... Glenwood
Eckdale, John E. ..... Marshall
Eckman, Philip F. ..... Duluth
Eckman, Ralph J. ..... Duluth
Edlund, Gustaf ..... St. Paul
Edwards, Jesse E. ..... Rochester
Edwards, Jos. W. ..... St. Paul
Edwards, Lloyd G. ..... St. Paul
Edwards, Thos. J. ..... St. Paul
Egge, Sanford G. ..... Albert Lea
Eginton, Chas. T. ..... St. Paul
Ehrenberg, Claude J. ..... Minneapolis
Ehrlich, Sol P. ..... Minneapolis
Eich, Matthew A. ..... Minneapolis
Eichhorn, Edmund P. ..... Minneapolis
Eide, O. A. ..... Hancock
Eiler, John ..... Park Rapids
Eisenstadt, David H. ..... Minneapolis
Eisenstadt, Wm. S. ..... Minneapolis
Eitel, Geo. D. ..... Minneapolis
† Ekblad, John W. ..... Duluth
Eklund, Carl D. ..... Duluth
Ekstrand, LeRoy M. ..... Wabasha
Elias, Frank J. ..... Duluth
Elkins, Earl C. ..... Rochester
Ellertson, Leonard M. ..... Albert Lea
Ellinger, Albert J. ..... Willmar
Elliot, Harold J. ..... Hayfield
Ellis, Earl Wm. ..... Elgin
Ellis, F. Henry ..... Rochester
Ellison, David E. ..... Minneapolis
Ellison, Ellis ..... Minneapolis
Ellison, Frank E. ..... Monticello
* Elsey, Edw. M. ..... Glenwood
† Elsey, James R. ..... Glenwood
† Elstner, Howard L. ..... Rochester
Ely, Orriman S. ..... St. Paul
Emanuel, Karl Wm. ..... Duluth
Emerson, Edward C. ..... St. Paul
Emmett, John L. ..... Rochester
Emmons, R. W. ..... St. Paul
Emond, Albert J. ..... Farmington
Emond, J. S. ..... Farmington
Endress, Edward K. ..... St. Paul
Engberg, Edward J. ..... Faribault
Engel, Joseph P. ..... Minneapolis
Engelhart, P. C. ..... Minneapolis
Englund, Elvin F. ..... Minneapolis
Engstrand, Oscar J. ..... Minneapolis
Engstrom, Robert ..... Mankato
Enroth, Oscar E. ..... St. Paul
Eppard, Raymond M. ..... Cloquet
Erdal, Ove A. ..... Albert Lea
Erich, John B. ..... Rochester
Erickson, Alvin O. ..... Long Prairie
Erickson, Clifford O. ..... Minneapolis
Erickson, Donald J. ..... Rochester
Erickson, Eskil ..... Halstad
Erickson, George P. ..... Hibbing
Erickson, John G. ..... Rochester
‡ Erickson, L. F. ..... Minneapolis
Erickson, Myron E. ..... Minneapolis
Erickson, Reuben F. ..... Minneapolis
Ericson, Reinhold M. ..... Wayzata
† Ericson, Swan ..... LeSueur
† Ernest, Geo. C. H. ..... St. Petersburg, Fla.
Ersfeld, Murray P. ..... St. Paul
Erskine, Gordon M. ..... Grand Rapids
† Ertel, Edward Q. ..... Ellendale
Esensten, Sidney ..... Minneapolis
† Eshelby, E. C. ..... St. Paul
† Esser, Robert A. ..... Rochester
‡ Estes, J. Earle ..... San Francisco, Calif.
* Estrem, C. O. ..... Fergus Falls
Estrem, Ralph L. ..... Fergus Falls
Estrem, Robert D. ..... Fergus Falls
* Estrem, Theo. A. ..... Hibbing
† Eusterman, George B. ..... Rochester
Eustermann, John J. ..... Mankato
Evans, Edward T. ..... Minneapolis
† Evans, Eugene G., Jr. ..... Rochester
Evans, Leslie ..... Sauk Rapids
Evans, Robert D. ..... Minneapolis
† Evarts, Arrah B. ..... Rochester
Evensta, John B. ..... Grand Rapids
‡ Evert, John A., Jr. ..... St. Paul

Faber, John E. ..... Rochester
Fahr, George ..... Minneapolis
Fansler, Walter A. ..... Minneapolis
Farkas, John V. ..... St. Paul
Fasbender, Herman T. ..... Hastings
*†Farrish, R. C. ..... Sherburn
Faulconer, Albert, Jr. ..... Rochester
Fawcett, Arthur M. ..... Renville
Fawcett, Keith R. ..... Duluth
Fee, John G. ..... St. Paul
Feeney, John M. ..... Minneapolis
‡ Feigal, David ..... A.F.B., Wyoming
Feigal, William M. ..... Thief River Falls
Feinberg, Philip ..... Minneapolis
Feinstein, Julius Y. ..... Minneapolis
Felder, Davitt A. ..... St. Paul
Felion, Arthur J. ..... St. Paul
Fellows, Manley F. ..... Duluth
Fenger, E. P. K. ..... Oak Terrace
Fergeson, James ..... Rochester
† Ferguson, James C. ..... St. Paul
Ferguson, Wm. C. ..... Walnut Grove
‡ Ferrell, Clarence R. ..... Grand Rapids
Ferris, Deward O. ..... Rochester
Fesenmaier, Otto B. ..... New Ulm
Fesler, Harold H. ..... St. Paul
Feuling, John C. ..... Duluth
‡ Fidelman, N. E. ..... Ft. Sheridan, Ill.
Field, Anthony H. ..... Farmington
Field, Chas. W. ..... Minneapolis
† Fieldman, E. Jay ..... Rochester
Figi, Fredk. A. ..... Rochester
Fingerman, David L. ..... Minneapolis
Fink, Daniel L. ..... St. Paul
Fink, Leo W. ..... Minneapolis
Fink, Walter H. ..... Minneapolis
Finkelnburg, Wm. O. ..... Winona
Fisch, Herbert M. ..... Austin
Fischer, John R. ..... Blooming Prairie
Fischer, Marion McC. ..... Duluth
Fisher, Dan W. ..... St. Paul
Fisher, Isadore I. ..... Minneapolis
Fisketti, Henry ..... Duluth
† Fitzgerald, D. F. ..... Wayzata
† Fitzgerald, E. T. ..... Rialto, Calif.
Fitzsimons, Wm. E. ..... Brainerd
Fjeldstad, Christian A. ..... Minneapolis
Flanagan, Harold F. ..... St. Paul
Flanagan, Leonard G. ..... Austin
Flancher, Leon H. ..... Crookston
Flannery, Hubert F. ..... St. Paul
Fleeson, Wm. H. ..... Minneapolis
† Fleming, A. S. ..... Madison, N. J.
Fleming, Dean S. ..... Hopkins
Fleming, Thos. N. ..... St. Cloud
Flesche, Bernard A. ..... Lake City
Fliehr, Richard R. ..... Minneapolis
Flink, Edmund B. ..... Minneapolis
Flinn, James B. ..... Redwood Falls
† Flinn, Thomas E. ..... Remer
Flom, Martin G. ..... Zumbrota
Flom, R. P. ..... St. Paul
‡ Flom, Robert S. ..... Echo
Florine, Martin ..... Janesville
† Fly, Orceneth A., Jr. ..... Rochester
Flynn, Bernard F. ..... Hibbing
Flynn, L. L., Jr. ..... St. Paul
† Fogarty, C. Wm., Sr. ..... St. Paul
Fogarty, C. Wm., Jr. ..... St. Paul
Fogelberg, Emil J. ..... St. Paul
Foker, Leslie W. ..... Minneapolis
Foley, Fredk. E. B. ..... St. Paul
Folken, Frank G. ..... Albert Lea
Folsom, Louis B. ..... Minneapolis
Ford, Burton C. ..... Marshall
Ford, Wm. H. ..... Minneapolis
Forsythe, James R. ..... St. Paul
Fortier, G. M. A. ..... Little Falls
Foss, Edward L. ..... Rochester
Foster, Orley W. ..... Minneapolis
Fowler, Lucius H. ..... Miinneapolis
Fox, James R. ..... Minneapolis
† Franchere, F. Wm. ..... Lake Crystal
Francis, David W. ..... Morristown
Frane, Donald B. ..... Minneapolis
Franklin, Gordon W. ..... Northome
† Frear, Rosemary ..... Minneapolis
Fredericks, Geo. M. ..... Minneapolis
Frederickson, Alice C. ..... Willmar
Fredricks, Merriam G. ..... Duluth
Freedman, Marshall A. ..... Rochester
Freeman, C. D., Jr. ..... St. Paul

Freeman, Craig.....Minneapolis
Freeman, Donald W.....St. Louis Park
‡ Freeman, Gerald I.....St. Paul
Freeman, John G.....Jamestown, N. D.
† Freeman, John P.....Glenville
Freidman, Louis L.....St. Paul
Freligh, W. P.....Albert Lea
French, Lyle A.....Minneapolis
Frerichs, Cletus T.....Rochester
Frey, Richard J.....Minneapolis
† Freymann, John G.....Boston, Mass.
Friberg, Jos.....Minneapolis
Fricke, Robt. E.....Rochester
Fried, Louis A.....Minneapolis
Friedell, Aaron.....Minneapolis
Friedell, George.....Ivanhoe
Friedman, Harry S.....Minneapolis
Friedman, Jack.....Minneapolis
Friend, Charles A.....Minneapolis
Fritsche, Albert.....New Ulm
Fritsche, Carl J.....New Ulm
Fritsche, Theo. R.....New Ulm
Fritz, Wallace L.....St. Paul
Froats, Chas. W.....St. Paul
† Frost, Edward H.....Willmar
Frost, John B.....Minneapolis
Frost, Russell H.....Minneapolis
Frykman, Howard M.....Minneapolis
Fugina, Geo. R.....Mankato
Fuller, Alice H.....Minneapolis
Fuller, Benjamin F.....St. Paul
Fuller, Josiah.....Duluth
Funk, Victor K.....Oak Terrace
Furman, Lucie C.....Minneapolis
Furnell, Dale.....St. Paul

Gaard, Richard C.....Minneapolis
Gacusana, J. M.....Mahnomen
Gaida, Jos. B.....St. Cloud
† Gallagher, Bernard J.....Waseca
Gallett, L. E.....Minneapolis
Galligan, John J.....St. Paul
† Galligan, Margaret M.....Minneapolis
Galloway, John B.....Minneapolis
† Gambill, Carl M.....Rochester
Gambill, Earl E.....Rochester
Gammell, John H.....Minneapolis
Garbrecht, A. Wm.....St. Paul
Gardner, Victor H., Sr.....Fairmont
Gardner, Walter P.....St. Paul
Garlock, Arthur V.....Bemidji
Garlock, Dewitt H.....Bemidji
‡ Garlock, Grant L.....Bemidji
† Garrett, Chas., Jr.....Rochester
Garrow, David M.....St. Paul
Garske, George L.....Minneapolis
Garten, Joseph L.....Minneapolis
‡ Gastineau, Clifford F.....Rochester
‡ Gatchell, Frank G.....Savannah, Ga.
‡ Gaunt, Wm. D.....N. Y., N. Y.
Gaviser, David.....Minneapolis
Gehlen, Jos. N.....St. Paul
Geib, Marvin J.....Moorhead
Geiser, Peter M.....Alexandria
George, Robert P.....Fergus Falls
Geraci, Jos. E.....Rochester
Geurs, Benjamin R.....Mankato
Ghent, Chas. H.....St. Paul
Ghormley, Ralph K.....Rochester
Ghostley, Mary C.....Bemidji
Gibb, Robert P.....Rochester
Gibbs, Edward C.....St. Paul
Gibbs, Robert W.....Minneapolis
Giberson, Raymond G.....Rochester
Giebenhain, John N.....Minneapolis
Giere, Jos. C.....Minneapolis
Giere, Richard W.....Minneapolis
Giere, Silas W.....Benson
Giesen, Allan F.....Starbuck
† Giffin, Herbert Z.....Rochester
Giffin, Mary E.....Rochester
Gifford, R. W., Jr.....Rochester
Gilbert, Maurice G.....Minneapolis
* Gilkey, S. E.....St. Paul
Gillespie, Delmar R.....St. Paul
Gillespie, Malcolm G.....Duluth
Gilman, Lloyd C.....Willmar
† Gilmore, Rowland.....Crookston
Gingold, Benj. A.....Minneapolis
† Ginsberg, James P.....Rochester
Ginsberg, Robert L.....Rochester
*† Giroux, A. A.....Mankato
Girvin, Richard B.....Minneapolis
Gjerde, Wm. P.....Lake City
Glabe, Robert A.....Plainview
† Glaeser, John H.....Minneapolis
Gleason, Wallace A.....St. Paul
Goblirsch, Andrew P.....Sleepy Eye
Goehrs, Gilman H.....St. Cloud
† Goehrs, Henry W.....St. Cloud
Goldberg, Isadore M.....Minneapolis
Goldish, Danl. R.....Duluth
Goldish, Robert J.....Duluth
Goldman, Theo. I.....Minneapolis
Goldner, Meyer Z.....Minneapolis
Goldsmith, Joseph W.....St. Paul
‡ Goldstein, N. P.....Bethesda, Md.
† Goltz, Edward V.....St. Paul
‡ Goltz, Neill F.....St. Paul
Goltz, Robert W.....Minneapolis
Good, C. Allen, Jr.....Rochester
Good, Hoff D.....Minneapolis
Goodman, Chas.....Virginia
† Gordon, Donald L.....Rochester
Gordon, Philip E.....Minneapolis
Gordon, Sewell S.....St. Louis Park
Gossel, John D.....Rochester
Gowan, Lawrence R.....Duluth
† Graham, Archibald W.....Chisholm
‡ Graham, G. G.....Millington, Tenn.
Grahek, Jack P.....Ely
‡ Grais, Melvin L.....Colo. Springs, Colo.
Grant, Hendrie W.....St. Paul
Grant, John C.....Sauk Centre
Grant, Suzanne.....Minneapolis
Grattan, Robert T.....Rochester
Gratzek, F. R. E.....Minneapolis
Gratzek, Thos.....St. Paul
Grau, R. K.....St. Paul
Graves, Richard B.....Red Wing
† Gray, Frank D.....Marshall
Gray, Howard K.....Rochester
Gray, Royal C.....Minneapolis
Green, Paul A.....Rochester
Green, Robert A.....St. Louis Park
† Green, Robert C., Jr.....Rochester
Greenberg, Albert J.....Minneapolis
Greene, Daniel E.....Thief River Falls
Greene, Laurence F.....Rochester
Greenfield, Irving.....Minneapolis
Greenfield, Wm. T.....Cokato
† Greishiemer, E. M.....Philadelphia, Pa.
Gridley, John W.....Arlington
Griebe, Grant L.....Brownton
Griffin, George D., Jr.....Rochester
Griffin, John W., Jr.....Bemidji
Griffin, R. P.....Benson
Grimes, Burton P.....St. Peter
Grimes, Marian.....Minneapolis
Grindlay, John H.....Rochester
Grinley, Andrew V.....Grand Rapids
Grise, Wm. B.....Austin
Grohs, William H.....Duluth
Gronvall, Paul R.....Minneapolis
Groschupf, Theo P.....Bemidji
Grose, Fredk. N.....Clarissa
‡ Gross, J. B.....N. Y., N. Y.
Grotting, J. K.....Minneapolis
† Gruenhagen, Arnold P.....St. Paul
Grundset, Ole J.....Montrose
Guilbert, G. D.....Waukesha, Wisc.
Guilfoile, Pierre J.....Delano
‡ Gullickson, Glenn, Jr.....Bethesda, Md.
† Gullixson, Andrew.....Longmont, Colo.
Gully, Raymond J.....Cambridge
Gunlaugson, Fredk. C.....Minneapolis
Gushurst, Edward G.....Minneapolis
Gustason, Harold T.....Minneapolis
‡ Guy, Jack A.....New London
Gwinn, John L.....Rochester

Haas, J. F.....Fairfax
Haavik, John E.....Duluth
Habein, Harold C., Sr.....Rochester
Habein, Harold C., Jr.....Rochester
Haberer, Helen R.....Minneapolis
Haes, Julius E.....Mankato
‡ Haesly, Warren W.....Winona
‡ Hagedorn, Albert B.....N. Y., N. Y.
Hagen, Kristofer.....Cokato
† Hagen, Olaf J.....Moorhead
Hagen, W. S.....Minneapolis
† Haggard, G. D.....Minneapolis
† Haigler, Frank H., Jr.....Rochester
† Haines, James H.....Stillwater
Haines, Saml. F.....Rochester
Halbert, John J.....Duluth
Halenbeck, Philip L.....St. Cloud
Hall, Barnard.....St. Paul
Hall, Harry B.....Minneapolis
Hall, Wendell.....Minneapolis
Hall, Wm. E.....Maple Lake
Hallberg, Chas. A.....Minneapolis
Hallberg, Olav E.....Rochester
† Hallenbeck, D. F.....LaJolla, Calif.
Hallenbeck, George A.....Rochester
† Halliday, Phillip V.....Minneapolis
Hallin, Roger P.....Worthington
Halloran, Walter H.....Jackson
‡ Halme, W. B.....San Francisco, Calif.
Halper, Bernard.....Hibbing
Halpern, David J.....Brewster
Halpin, Jos. E.....Rush City
Halvorsen, Daniel K.....Owatonna
Hamlon, John S.....Fergus Falls
Hammar, Lawrence M.....Mankato
Hammes, Ernest M., Sr.....St. Paul
Hammes, Ernest M., Jr.....St. Paul
† Hammond, James F.....St. Paul
† Haney, Claude L.....Duluth
Hankerson, Robt. G.....Minnesota Lake
Hanlon, David G.....Rochester
Hannah, Hewitt B.....Minneapolis
Hanover, Ralph D.....International Falls
Hansen, Cyrus O.....Minneapolis
Hansen, Erling W.....Minneapolis
Hansen, Olga S.....Minneapolis
Hansen, Robert E.....Hibbing
‡ Hansen, Rollin M.....Falls Church, Va.
Hansen, Theo. M.....Albert Lea
† Hanson, Adolph M.....Faribault
Hanson, Ernest O.....Carlton
Hanson, Everett C.....New York Mills
Hanson, Harlow J.....Minneapolis
Hanson, Harold B.....St. Paul
Hanson, Henry V.....Minneapolis
Hanson, LeRoy W.....Pelican Rapids
Hanson, Lewis.....Frost
Hanson, Malcolm B.....Minneapolis
Hanson, Mark C.....Minneapolis
Hanson, Norbert O.....Rochester
Hanson, Wm. A. H.....Minneapolis
Happe, Lawrence J.....Minneapolis
Harbaugh, John T.....St. Paul
Harmon, Gaius E.....St. Paul
Harrington, Stuart W.....Rochester
Harris, Carl N.....Hibbing
† Harris, Evelyn S.....Seattle, Wash.
Harris, L. D.....Minneapolis
Harris, Lloyd E.....Rochester
Harrison, Percy W.....Worthington
Hart, Wm. E.....Monticello
Hartfiel, Herbert A.....Montevideo
Hartfiel, Wm. F.....St. Paul
Hartig, Marjorie.....St. Paul
Hartjen, Jason K.....Bemidji
Hartley, Everett C.....St. Paul
Hartman, Evelyn.....Minneapolis
Hartman, Howard R.....Rochester
Hartnagel, G. F.....Red Wing
Hartung, Elmer H.....Claremont
Hartwich, Roger F.....Winona
Hass, Fredk. M.....Minneapolis
† Hassett, Roger G.....Mankato
Hastings, DeForest R.....Minneapolis
Hastings, Donald W.....Minneapolis
Hatch, Walter E.....Duluth
Hauge, Erling T.....Minneapolis
Hauge, Malvin I.....Clarkfield
‡ Haugen, G. W.....San Francisco, Calif.
Haugen, John A.....Minneapolis
Hauser, George W.....Minneapolis
Hauser, Victor P.....St. Paul
‡ Havel, Robert J.....Minneapolis
Haven, Walter K.....Minneapolis
Havens, Fred Z.....Rochester
† Havens, J. G. W.....Austin
Hawkinson, R. P.....Minneapolis
Hawley, G. M. B., II.....Red Wing
Hayes, Albert F.....St. Paul
Hayes, James M.....Minneapolis
† Hayes, M. F.....Moose Lake
Hayles, Alvin B.....Rochester
Hays, Albert T.....Minneapolis
Head, Douglas.....Minneapolis
Healy, John R.....Rochester
Healy, Raymond T.....Pierz
Hebbel, Robt.....Minneapolis
Hebeisen, Milton B.....Chaska
Heck, Frank J.....Rochester
Heck, Wm. W.....St. Paul
Hedberg, Gustaf A.....Nopeming
Hedemark, Homer H.....Ortonville
Hedemark, T. A.....Ortonville
Hedenstrom, Frank G.....St. Paul
Hedenstrom, Paul H.....Duluth
Hedenstrom, Philip C.....Marshall
Hedin, Raymond F.....Red Wing
Hedlund, Chas. J.....St. James
† Hegge, Olav H.....Austin
Hegge, R. S.....Austin
Heiam, Wm. C.....Cook
Heiberg, Emmett A.....Fergus Falls
Heiberg, Olaf M.....Worthington
Heilig, Wm. R.....St. Paul
† Heilman, D. M. H.....San Diego, Calif.
Heilman, Fordyce R.....Rochester
† Heimark, John J.....Rochester
Heimark, Julius J.....Fairmont
‡ Heine, Geo. W.....Little Falls
Heinz, Ivy B.....Shakopee
Heinz, Lawrence H.....Shakopee
Heise, Herbert V. R.....Winona

Heise, Paul.....Winona
Heise, Philip R.....Winona
*† Heise, Wm. F. C.....Winona
‡ Heisler, John J.....Minneapolis
Helden, Rudolph A.....Rochester
† Helland, Gustav M.....Spring Grove
† Helland, John W.....Spring Grove
Heller, Edgar E.....Mankato
† Helmholz, Henry F.....Rochester
Helseth, H. K.....Pelican Rapids
Hempel, Dean J.....Minneapolis
† Hempstead, B. E.....Rochester
Hench, Philip S.....Rochester
Henderson, A. J. G.....No. St. Paul
Henderson, Edward D.....Rochester
Henderson, John W.....Rochester
Henderson, Lowell L.....Rochester
† Henderson, Melvin S.....Rochester
Hendricks, Esten J.....St. Paul
† Hendricks, Everett D.....Rochester
† Hendrickson, John F.....Minneapolis
Hengstler, Wm. H.....St. Paul
Henn, Mary J.....Rochester
† Henney, Wm. H.....McIntosh
Henrikson, Earl C.....Minneapolis
Henry, C. J.....Milaca
† Henry, C. E.....Kirksville, Mo.
‡ Henry, H. W.....Benton, Ill.
‡ Henry, J. E.....Milaca
* Henry, M. O.....Minneapolis
Henry, M. R.....St. Peter
† Hensel, C. N.....St. Paul
Hepper, Norman G.....Rochester
Herbert, Willis.....Minneapolis
Herbst, Richard F.....Willmar
Herman, Samuel M.....St. Paul
Hermann, H. W.....Minneapolis
Hermanson, Peter E.....Hendricks
Heron, Roy C.....St. Paul
Herrmann, Edgar T.....St. Paul
† Hertel, Garfield E.....Austin
Hertz, Myron J.....St. Paul
Hesla, Inman A.....Austin
† Hewitt, Edith S.....Rochester
† Hewitt, Richard M.....Rochester
† Heyerdale, O. C.....Rochester
† Higgins, John H.....Minneapolis
Higgs, Walter W.....Park Rapids
Hildebrand, J. E.....Bemidji
Hilding, Anderson G.....Duluth
† Hilger, Andrew, Wm.....St. Paul
Hilger, Jerome A.....St. Paul
Hilger, Laurence D.....St. Paul
Hilker, Marcus D.....St. Paul
Hill, Earl.....Minneapolis
Hill, Elmer M.....Minneapolis
Hill, Fredk. E.....Duluth
Hill, John R.....Rochester
† Hillis, S. J.....East Bradenton, Fla.
Hinckley, Robert G.....Minneapolis
Hinderaker, Harris P.....Bird Island
Hines, E. A., Jr.....Rochester
Hiniker, Louis P.....St. Paul
Hiniker, Peter J.....LeSueur
Hinz, Walter E.....Willmar
Hirschboeck, Frank J.....Duluth
Hirsh, Stanton A.....Crookston
Hirshfield, Frank.....Minneapolis
Hitchcock, Claude R.....Minneapolis
Hochfilzer, John J.....St. Paul
Hodapp, Robert V.....Willmar
Hodgson, Corrin H.....Rochester
Hodgson, Jane E.....St. Paul
Hodgson, John R.....Rochester
Hoehn, David.....Holdingford
Hoeper, Philip G.....Mankato
Hoff, Herbert O.....Duluth
Hoffbauer, Fredk.....Minneapolis
Hoffert, Henry E.....Minneapolis
Hoffman, Roy A.....Minneapolis
Hoffman, Walter L.....Minneapolis
‡ Hoganson, D. E.....Bemidji
† Hoidale, Andrew.....Tracy
Holcomb, Joel T.....Marine-on-St. Croix
† Holcomb, O. W.....St. Paul
† Hollands, William H.....Fisher
Hollenhorst, R. W.....Rochester
Hollinshead, W. H.....St. Paul
Holm, Donald F.....Benson
* Holm, H. H.....Glencoe
Holman, Colin B.....Rochester
Holmberg, Conrad J.....Minneanolis
Holmen, Robt. W.....St. Paul
Holmes, Alva E.....Rush City
Holmstrom, Carle H.....Warren
Holt, Allen H.....Rochester
Holt, John E.....St. Paul
Holzapfel, Fred C.....Minneapolis
Hom, L. Y. W.....Battle Lake
‡ Hood, R. T.....San Francisco, Calif.
Hooper, Worth A.....Hastings
Hoover, Norman W.....Virginia
Hopkins, George W.....St. Paul
‡ Horns, Howard L. Colo. Springs, Colo.
Horns, Richard C.....Minneapolis
Horton, Bayard T.....Rochester
Hottinger, Raymond C.....Janesville
Houglum, Arvid J.....Lake Park
† Houkom, Bjarne.....T. T., East Africa
Houkom, Samuel S.....Duluth
‡ Houle, Rollin J.....New Brighton
† House, Zachariah E.....Burbank, Calif.
Houston, Donald M.....Park Rapids
Houts, Joseph C.....Dassel
Hovde, Rolf.....Winthrop
Hovland, Melvin L.....Minneapolis
Howard, Marshall I.....Mankato
Howard, Merrill A.....St. Paul
Howard, Robert B.....Minneapolis
Howard, Solomon.....Minneapolis
Howard, Willard S.....St. Paul
Howe, Newell W.....St. Paul
Howell, Carter W.....Minneapolis
Howell, Llewelyn P.....Rochester
Howell, Milton M.....Glencoe
Hoyer, Ludolph J.....Windom
Hruza, Wm. J.....Madelia
Hubbard, Otto E.....Brainerd
Hubin, Edwin G.....Sandstone
Hudec, Elwyn R.....Echo
Hudspeth, Wm. T.....Madison
Huebert, Dan W.....Hutchinson
Huenekens, E. J.....Minneapolis
† Huffington, H. L.....Mankato
Huffington, Herb L.....Waterville
Hughes, Bernard J.....Brainerd
Hughes, S. O.....Winona
Huizenga, Kenneth A.....Rochester
Hullsiek, Harold E.....St. Paul
Hullsiek, Richard B.....Ft. Snelling
*† Hultkrans, J. C.....Minneapolis
Hultkrans, R. E.....Minneapolis
Humphrey, E. W., Sr.....Moorhead
Humphrey, E. W., Jr.....Moorhead
Humphrey, Wade R.....Stillwater
*† Hunt, A. F.....Alhambra, Calif.
Hunt, Arthur B.....Rochester
Hunt, Roscoe C.....Fairmont
Hunt, William.....Rochester
Hunter, James S.....Rochester
Hunter, Murray, H.....Farmington
† Hurd, Annah.....Minneapolis
Hurwitz, Milton M.....St. Paul
Hustad, Edward G.....Montevideo
‡ Hutchinson, C. J.....Providence, R. I.
Hutchinson, Henry.....Moose Lake
† Huxley, Fredk. R.....Faribault
Hymes, Charles.....Minneapolis
† Hynes, John E.....Minneapolis

† Ide, Arthur W., Sr.....St. Paul
Ide, Arthur W., Jr.....Minneapolis
Idstrom, L. G.....Minneapolis
Ikeda, Kano.....St. Paul
‡ Indihar, John E., Jr.....Virginia
Ingerson, Carl A.....St. Paul
Inglis, Wm.....Redwood Falls
† Irvine, Harry G.....Minneapolis
Irwin, Homer R.....Hibbing
Iverson, Rolf M.....Minneapolis
Ivins, John C.....Rochester

Jackman, Raymond J.....Rochester
‡ Jackson, Richard L.....Rochester
Jacobs, Douglas L.....Willmar
† Jacobs, Johannes C.....Willmar
Jacobson, Clarence.....Chisholm
Jacobson, C. W.....Breckenridge
Jacobson, F. C.....Duluth
Jacobson, Loren J.....Minneapolis
Jacobson, W. E.....St. Louis Park
James, Ellery M.....St. Paul
James, John W.....White Bear Lake
‡ Jamplis, R. W.....San Francisco, Calif.
Janda, George W.....
Port Clayton Hospital, Canal Zone
Janecky, Allen G.....Baudette
Janes, Joseph M.....Rochester
Janssen, Martin E.....St. Paul
Jarvis, Marilyn A.....St. Paul
Jay, Ala. R.....Minneapolis
‡ Jensen, Adrian R.....Long Island, N. Y.
Jensen, Alvin M.....Brownton
Jensen, Harry C.....Minneapolis
† Jensen, Marius J.....Minneapolis
Jensen, Nathan K.....Minneapolis
Jensen, Reynold A.....Minneapolis
Jensen, Thorvold J.....Duluth
Jenson, James E.....Stillwater
Jerome, Bourne.....Minneapolis
Jerome, Elizabeth E.....Minneapolis
Jeronimus, Henry J.....Duluth
Jesion, Jos. W.....St. Paul
Jessico, Charles M.....Duluth
‡ Jeub, Robert P.....San Antonio, Texas
Joffe, Harold H.....Virginia
Johanson, Waldemar G.....St. Paul
Johnson, Adelaide McF.....Rochester
Johnson, Aldridge F.....Isle
Johnson, Arthur B.....Minneapolis
Johnson, August E.....Minneapolis
Johnson, Carl E.....St. Paul
Johnson, Carl Eric.....Rochester
‡ Johnson, Curtis M.....Dawson
Johnson, C. Percy.....Tyler
Johnson, Douglas L.....Little Falls
‡ Johnson, Edward A.....Virginia
† Johnson, Einer W., Sr.....Bemidji
Johnson, Einer W., Jr.....Rochester
Johnson, Emil W.....Minneapolis
Johnson, Frank E.....Minneapolis
‡ Johnson, H. C.....San Diego, Calif.
Johnson, Harry A.....Minneapolis
Johnson, Herbert W.....St. Paul
Johnson, James A.....Minneapolis
Johnson, John W.....Minneapolis
Johnson, Karl E.....Duluth
Johnson, Malcolm R.....Minneapolis
† Johnson, Morris B.....St. Paul
Johnson, Norman P.....Minneapolis
Johnson, Norton T.....Minneapolis
Johnson, Olga H.....Moorhead
Johnson, Orville H.....Omaha, Nebr.
Johnson, R. J.....St. Paul
Johnson, Ralph B.....Lanesboro
Johnson, Ray G.....Stillwater
Johnson, Reinald G.....Minneapolis
Johnson, Reuben A.....Minneapolis
Johnson, Robert E.....Minneapolis
Johnson, Roger S.....Wayzata
Johnson, Rudolph E.....Mankato
Johnson, Vilhelm M.....Dawson
Johnson, Wm. E.....Morgan
Johnson, Youbert T.....Minneanolis
Johnsrud, Luverne W.....Hibbing
Johnston, Edward V.....Rochester
Johnston, Henry W.....Virginia
Johnston, Leonard F.....Winona
† Johnston, Rufus O.....Hibbing
Jolin, Francis M.....Bovey
† Jones, Alvah W.....Red Wing
Jones, David G.....Minneapolis
† Jones, E. Mendelssohn.....St. Paul
† Jones, Herbert W., Jr.....Minneapolis
Jones, Orville H.....Mankato
Jones, Richard F.....Rochester
Jones, Richard H.....Minneapolis
Jones, Richard N.....St. Cloud
Jones, Robcliff V.....Rochester
Jones, Wm. R.....Minneapolis
† Jordan, Kathleen B.....Granite Falls
Jordan, Lewis S.....Granite Falls
† Jordan, Stanley.....Rochester
Josewich, Alexander.....Minneapolis
Josewski, Raymond J.....Stillwater
Judd, Allen S.....Minneapolis
Judd, Edward S., Jr.....Rochester
Judd, Walter H.....Washington, D. C.
Juergens, Herman M.....Belle Plaine
† Juergens, John L.....Belle Plaine
Juergens, Manley F.....Stillwater
Juers, Edward H.....Red Wing
Juhl, John H.....Minneapolis
† Juliar, Richard O.....Glendale, Calif.
Juntunen, Roy R.....Duluth
Jurdy, Mitchell J.....Minneapolis
Just, Herman J.....Hastings

Kaasa, Lawrence J.....St. Peter
Kabrick, Ola A.....St. Peter
Kadesky, Harold B.....Minneapolis
Kaiser, Milton L.....New Ulm
Kalin, Oscar T.....Minneapolis
Kallestad, Leonard L.....Minneapolis
Kamman, Gordon R.....St. Paul
† Kamp, Byron A.....Albert Lea
Kanne, Earl R.....Brainerd
Kantar, Bruce L.....Minneapolis
Kaplan, David H.....St. Paul
Kaplan, Harold A.....St. Louis Park
Kaplan, John J.....Minneapolis
Kapsner, Alfred T.....Princeton
Karges, L. E.....Grand Rapids
Karleen, Bernard N.....Jackson
Karleen, Conrad I.....Minneapolis
Karlen, Markle.....Minneapolis
Karn, Jacob F.....Ortonville
Karon, Irvine M.....St. Paul
Kasper, Eugene M.....St. Paul
Kath, Reinhard H.....Arlington
Katz, Louis J.....Long Beach, Calif.
† Katz, Yale J.....Minneapolis
* Katzberg, Lewis.....Willmar

Kaufman, Edward J. ..... Appleton
Kaufman, Herschel J. ..... Minneapolis
Kaufman, Walter B. ..... Mankato
Kaufman, Wm. C. ..... Appleton
Kearney, Rochfort W. ..... Mankato
Kearns, Thomas P. ..... Rochester
Keating, F. R., Jr. ..... Rochester
Keefe, Rolland E. ..... St. Paul
Keil, Marcus A. ..... Albert Lea
Keith, Haddow M. ..... Rochester
† Keith, Norman M. ..... Rochester
Keith, Paul J. ..... Milaca
Keithahn, Elmer E. ..... Sleepy Eye
Kelby, Gjert M. ..... Minneapolis
Kelley, Walter M. ..... Duluth
Kelly, Albert C. ..... Duluth
Kelly, Chas. F. ..... Minneapolis
Kelly, James H. ..... St. Paul
Kelly, John F. ..... Cold Spring
Kelly, John P. ..... Minneapolis
† Kelly, John V. ..... St. Paul
Kelly, Robert T. ..... Nashwauk
† Kelsey, Carleton G. ..... St. Paul
Kelsey, Chauncey M. ..... St. Paul
Kemp, Alphonse F. ..... Mankato
Kenefick, Emmett V. ..... St. Paul
Kennedy, Claude C. ..... Minneapolis
Kennedy, George L. ..... Faribault
† Kennedy, Jane F. ..... Minneapolis
Kennedy, Roger L. J. ..... Rochester
‡ Kent, Geo. B. ..... Ft. McPherson, Ga.
Kenyon, Thomas J. ..... St. Paul
Kerkhof, Arthur C. ..... Minneapolis
Kernohan, James W. ..... Rochester
Kesting, Herman ..... St. Paul
Kevern, Jay L. ..... Henning
Keyes, Robert W. ..... Pipestone
‡ Kiely, James P. ..... San Francisco, Calif.
‡ Kiely, Joseph M. ..... Joliet, Ill.
Kierland, Robt. R. ..... Rochester
Kiesler, Frank, Jr. ..... Minneapolis
Kilbride, Edwin A. ..... Worthington
‡ Kilby, Ralph A. ..... Columbia, So. Car.
Kilmer, Warren L. ..... International Falls
Kimmel, George C. ..... Red Wing
† King, E. A. ..... Minneapolis
King, Frances W. ..... Oak Terrace
† King, George L. ..... St. Paul
Kinkade, Byron R. ..... Ada
Kinports, Edward B. ..... San Diego, Calif.
Kinsella, Thos. J. ..... Minneapolis
Kirby, Thomas J., Jr. ..... Rochester
† Kirk, George P. ..... East Grand Forks
Kirklin, Byrl R. ..... Rochester
Kirklin, John W. ..... Rochester
Kistler, Alvin J. ..... Minneapolis
Kitzberger, Peter J. ..... New Ulm
Klakeg, Clayton H. ..... Rochester
† Klass, Donald W. ..... Rochester
Klefstad, Lloyd H. ..... Greenbush
Klein, Harry ..... Duluth
Klein, Henry N. ..... St. Paul
Klein, Wm. A. ..... Duluth
Klicka, Karl S. ..... Minneapolis
Klima, Wm. W. ..... Stewart
Kline, Richard F. ..... Wayzata
Knapp, Frank N. ..... Duluth
Knapp, Miland E. ..... Minneapolis
Knight, Edwin G. ..... Swanville
Knight, Ralph T. ..... Minneapolis
† Knight, Ray R. ..... Minneapolis
Knoche, Harvey A. ..... Morgan
Knoll, W. V. ..... Duluth
Knudsen, Helen L. ..... Minneapolis
* Knutson, G. A. ..... Hallock
Knutson, Gerhard E. ..... St. Paul
Knutson, Lewis A. ..... Spring Grove
Knutson, Robert C. ..... St. Paul
Koelsche, Giles A. ..... Rochester
Koenecke, Fred H., Jr. ..... Lakefield
Koenig, Robert P. ..... Paynesville
Koenigsberger, Chas. ..... Mankato
Koencke, Gerald M. ..... Minneapolis
Kohlbry, Carl O. ..... Duluth
† Kohler, Delphin W. ..... Tacoma, Wash.
Kolars, James J. ..... Faribault
Kolb, Lawrence C. ..... Rochester
Koller, Hermann M. ..... Minneapolis
Koller, Louis R. ..... Minneapolis
Koller, Robert L. ..... Minneapolis
Kooda, Jennings, C. ..... Morris
Korchik, John P. ..... Minneapolis
Korda, Henry A. ..... Pelican Rapids
* Kortsch, Ferdinand P. ..... Prior Lake
Kosiak, John ..... Minneapolis
Koskela, Lauri E. ..... Shaker Heights, Ohio
Kostick, William R. ..... Fertile
Kotchevar, Frank R. ..... Eveleth
Kottke, Fredk. J. ..... Minneapolis
Kotval, Russell J. ..... Pipestone
Koucky, Rudolph W. ..... Minneapolis
Kovack, Freeman D. ..... Minneapolis
Koza, Donald W. ..... St. Paul
Kozberg, Oscar ..... Moose Lake
Kraemer, George N. ..... Fairmont
Kragh, Lyle O. ..... Braham
Krause, C. W. ..... Fairmont
Kremen, Arnold J. ..... Minneapolis
Kreuzer, Titus C. ..... Marshall
Krezowski, Thomas K. ..... St. Paul
Krieser, Albert E. ..... Anoka
Kroboth, Frank J., Jr. ..... Rochester
‡ Kroli, Harry G. ..... Rochester
‡ Krout, Robert M. ..... New Cumberland, Pa.
Krueger, Victor R. ..... Nopeming
Krusen, Frank H. ..... Rochester
Kruzick, S. J. ..... Sleepy Eye
Krystosek, Lee A. ..... Clara City
Kucera, Frank J. ..... Hopkins
Kucera, Louis B. ..... Lonsdale
Kucera, Stanley T. ..... Northfield
Kucera, Wm. J., Sr. ..... Minneapolis
Kucera, Wm. J., Jr. ..... Minneapolis
Kugler, Alex A. ..... St. Paul
Kuhlmann, Lawrence B. ..... Melrose
Kulstad, Oscar S. ..... Dodge Center
Kulzer, Norbert J. ..... Hastings
Kunkel, Wm. M., Jr. ..... Rochester
† Kurtin, Henry J. ..... Milwaukee, Wisc.
† Kurtin, Jos. J. ..... Cudahy, Wisc.
Kuske, Albert W. ..... St. Paul
Kusske, Arthur L. ..... New Ulm
† Kusske, Bradley W. ..... St. Louis Park
Kusske, Douglas R. ..... St. Paul
Kusz, Clarence ..... Minneapolis
Kvale, Walter F. ..... Rochester
Kvitrud, Gilbert ..... St. Paul

LaBree, John W. ..... St. Louis Park
LaBree, Robert H. ..... Duluth
† Lacy, Paul E. ..... Rochester
LaGaard, Sheldon M. ..... Minneapolis
Laikola, Leslie A. ..... Adrian
† Laird, Arthur T. ..... Duluth
Lajoie, John M. ..... Minneapolis
Lake, Clifford F. ..... Rochester
Lamb, H. Douglas ..... Minneapolis
Lang, Leonard A. ..... Minneapolis
Lange, Robert D. ..... Minneapolis
Langhoff, Arthur H. ..... Mankato
Lannin, Bernard G. ..... St. Paul
Lannin, Donald R. ..... St. Paul
Lapierre, Arthur P. ..... Minneapolis
Lapierre, Jean T. ..... Minneapolis
Larrabee, Walter F. ..... St. Paul
Larsen, Frank Wm. ..... Minneapolis
Larson, Arnold ..... Detroit Lakes
Larson, Clarence M. ..... Minneapolis
Larson, Donald M. ..... Fergus Falls
Larson, Donald M. ..... Minneapolis
Larson, Eva Jane ..... St. Paul
Larson, Gerald E. ..... Cambridge
Larson, James T. ..... So. St. Paul
Larson, Kenneth R. ..... St. Paul
Larson, Leighton ..... Watertown
Larson, Lawrence M. ..... Minneapolis
Larson, Leonard M. ..... Oak Terrace
Larson, LeRoy J. ..... Bagley
Larson, Loren J. ..... Minneapolis
Larson, Martin L. ..... St. Paul
Larson, Milo H. ..... Lake Benton
Larson, Oliver E. H. ..... Zumbrota
Larson, Ralph H. ..... Anoka
Larson, Roger C. ..... Minneapolis
Latterell, Kenneth E. ..... Duluth
† LaVake, Rae T. ..... Minneapolis
Law, Harrison E. ..... Virginia
Law, William M. ..... Rochester
Lax, Morris H. ..... St. Paul
Laymon, Carl W. ..... Minneapolis
† Lazar, Henry L. ..... Excelsior
Lazarte, Jorge A. ..... Rochester
† Leahy, Bartholomew ..... St. Paul
Leavenworth, Richard O., Sr. ..... St. Paul
† Leavenworth, Richard O., Jr. ..... St. Paul
† Leavitt, H. H. ..... Phoenix, Ariz.
Lebowske, Jos. A. ..... Minneapolis
Leck, Paul C. ..... Austin
Leddy, Eugene T. ..... Rochester
Lee, G. E. ..... Glenwood
Lee, Hubert W. ..... Brainerd
Lee, Norman J. ..... Tracy
† Lee, Philip R. ..... Rochester
† Lee, Walter N. ..... Claremont, Calif.
‡ Leek, Joseph H. ..... Duluth
Leemhuis, Andrew J. ..... Minneapolis
Leggett, Elizabeth A. ..... Bemidji
Leibold, Herbert H. ..... Parkers Prairie
Leick, Richard M. ..... St. Paul
Leitch, Archibald ..... St. Paul
*† Leitschuh, L. F. ..... Winsted
Leland, Harold R. ..... Minneapolis
† Lemon, Willis S. ..... Clifton Forge, Va.
Lenander, Mellvin E. ..... St. Peter
Lenarz, Albert J. ..... Browerville
Lende, Norman ..... Faribault
Lenz, Jos. R. ..... Morton
Lenz, Otto A. ..... Minneapolis
Leonard, Lawrence J. ..... Minneapolis
Leonard, Saml. ..... Minneapolis
† Leopard, Brand A. ..... Brownsville, Texas
Lepak, Francis J. ..... Duluth
Lepak, John A. ..... St. Paul
Leppo, N. Erkki ..... Duluth
† Lerche, William ..... Cable, Wisc.
Lerner, A. Ross ..... Minneapolis
Lescoe, Richard J. ..... Rochester
‡ Lester, Malcolm J., Jr. ..... Truman
Letson, R. D. ..... Glenwood
Lev, Ralph ..... Rochester
Leven, N. Logan ..... St. Paul
Leverenz, Carleton W. ..... St. Paul
Levin, Bert G. ..... St. Paul
Levitt, George X. ..... St. Paul
Lewis, Arthur J. ..... Henning
Lewis, Barton L. ..... Rochester
† Lewis, Claude B. ..... St. Cloud
Lewis, F. John ..... Minneapolis
‡ Lewis, J. S., Jr. ..... Minneapolis
† Lexa, Frank J. ..... Lonsdale
Libert, John N. ..... St. Cloud
Lick, Chas. L. ..... St. Paul
‡ Lick, Louis C. ..... San Francisco, Calif.
Lick, Wm. J., Jr. ..... St. Paul
† Liedloff, Adolph G. ..... Mankato
Lien, Richard J. ..... St. Paul
Liffrig, Wm. W. ..... Red Wing
Lilleberg, Norbert J. ..... St. Paul
Lillehei, C. Walton ..... Minneapolis
Lillehei, Elmer J. ..... Robbinsdale
Lillie, Harold I. ..... Rochester
Lillie, John C. ..... Rochester
Lima, Ludvig R. ..... Montevideo
Limbeck, Donald A. ..... Le Sueur
‡ Lind, C. J., Jr. ..... Ft. Sam Houston, Texas
Lindahl, Merlyn J. ..... Sherburn
Lindberg, Alfred L. ..... Wheaton
Lindberg, Arvid C. ..... Minneapolis
Lindberg, Vernon L. ..... Minneapolis
Lindberg, Winston R. ..... Minneapolis
Lindblom, Alton E. ..... No. Mankato
† Linde, Herman ..... Cyrus
Lindell, Robert ..... St. Paul
‡ Lindeman, R. J. ..... Montgomery, Ala.
Lindemann, Charles E. ..... Minneapolis
Lindgren, Russell C. ..... Minneapolis
Lindner, Janus C. ..... Minneapolis
Lindquist, Richard H. ..... Minneapolis
Linner, Gunnar ..... Minneapolis
Linner, Henry P. ..... Minneapolis
Linner, John H. ..... Minneapolis
Linner, Paul W. ..... Minneapolis
Lippman, Emanuel S. ..... Minneapolis
Lippman, Hyman S. ..... St. Paul
Lippmann, Elmer W. ..... Hutchinson
Lipschultz, Oscar ..... Minneapolis
Lipscomb, Paul R. ..... Rochester
Litchfield, John T. ..... Minneapolis
Litin, Edward M. ..... Rochester
Litman, Abraham B. ..... Minneapolis
Litman, Saml. N. ..... Duluth
Lober, Paul H. ..... Minneapolis
Lofgren, Karl A. ..... Rochester
Lofsness, Stanley V. ..... Oak Terrace
† Logan, Archibald H. ..... Rochester
Logan, George B. ..... Rochester
† Logefeil, Rudolph C. ..... Minneapolis
Lohmann, John G. ..... Pipestone
Loken, Selmur M. ..... St. Paul
Loken, Theodore ..... Ada
Lommen, Peter A. ..... Austin
Longfellow, Henry W. ..... Brainerd
Loomis, Earl A. ..... Minneapolis
Loomis, G. L. ..... Winona
Lorentzen, Ernest S. ..... Detroit Lakes
‡ Lorton, Wm. L. ..... Rochester
Lott, Fredk. H. ..... Minneapolis
Love, Fredk. A. ..... Carlos
Love, J. Grafton ..... Rochester
Lovett, Beatrice R. ..... Oak Terrace
Lowe, Earl R. ..... So. St. Paul
Lowe, Thos. A. ..... So. St. Paul
Lowry, Elizabeth C. ..... Minneapolis
Lowry, Paul ..... Minneapolis
Lowry, Thomas ..... Minneapolis
Luck, Hilda ..... Mankato
‡ Luckemeyer, C. J. ..... Camp Polk, La.
Lueck, Wallace W. ..... Minneapolis

Lufkin, Nathaniel H. ..... Minneapolis
Lund, Anthony J. ..... Cleveland, Ohio
Lund, Carl J. T. ..... Fergus Falls
Lund, George W. ..... Minneapolis
Lund, Werner L. J. ..... Staples
Lundberg, Ruth I. ..... Minneapolis
Lundblad, Robert M. ..... Clara City
Lundblad, Roy A. ..... Minneapolis
Lundblad, S. W. ..... Minneapolis
Lundell, Carl L. ..... Granite Falls
* Lundgren, A. C. ..... Minneapolis
Lundholm, Arthur M. ..... St. Paul
Lundquist, Curt W. ..... Owatonna
Lundquist, V. J. P. ..... Minneapolis
Lundsten, Leslie C. ..... Bemidji
Lundy, John S. ..... Rochester
Lynch, Francis W. ..... St. Paul
† Lynch, Matthew J. ..... Minneapolis
† Lynn, Thomas E. ..... Rochester
Lysne, Henry ..... Minneapolis
Lysne, Myron ..... Minneapolis
Lysyj, Anatol ..... Minneapolis

MacCarty, Collin S. ..... Rochester
† MacCarty, W. C. ..... Rochester
MacDonald, Danl. A. ..... Minneapolis
MacDonald, John W. ..... Minneapolis
MacDonald, Roger A. ..... Little Fork
MacFarlane, P. H. ..... Chisholm
Mach, Frank B. ..... Minneapolis
‡ Mach, Ralph F. ..... Minneapolis
MacKinnon, D. C. ..... Minneapolis
Macklin, W. E., Jr. ..... Wilmar
‡ Mackoff, S. M. ..... Scott Field, Ill.
MacRae, Gordon C. ..... Duluth
Madden, John F. ..... St. Paul
Madison, Mitchell S. ..... Rochester
Madland, Robert S. ..... St. Paul
Maeder, Edward C. ..... Minneapolis
* Maertz, R. W. ..... Faribault
Maertz, Wm. F. ..... Anoka
Magath, Thos. B. ..... Rochester
Magney, Fredolph H. ..... Duluth
Magnuson, Allen E. ..... Wheaton
‡ Magnuson, R. C. ..... Cambridge
‡ Magraw, R. M. ..... Minneapolis
Mahle, Donald G. ..... Plainview
Mahowald, Aloys ..... Fergus Falls
Maitland, Edwin T. ..... Jackson
† Maland, Clarence O. ..... Minneapolis
Malerich, J. A. ..... St. Paul
Malmstrom, John A. ..... Virginia
Maloney, William F. ..... Minneapolis
Mandel, Sheldon L. ..... Minneapolis
Manger, Wm. M. ..... Rochester
Mankey, James C. ..... Minneapolis
Mankin, Harold T. ..... Rochester
Mann, Frank D. ..... Rochester
Mann, Joseph D. ..... Rochester
‡ Manning, Phil R. ..... Rantoul, Ill.
† Manson, Frank M. ..... Worthington
March, Kenneth A. ..... Cambridge
† Marcley, Walter J. ..... Minneapolis
Marking, George H. ..... Minneapolis
‡ Markle, G. B., IV ..... Ft. Monroe, Va.
Marks, Roger W. ..... St. Paul
Marr, Norval M., Jr. ..... Rochester
Marshall, C. M. ..... Crosby
Martens, Theo. G. ..... Rochester
Martin, Albert C. ..... Luverne
Martin, Dwight L. ..... St. Paul
Martin, George B. ..... Thief River Falls
Martin, Geo. R. ..... Minneapolis
Martin, Gordon M. ..... Rochester
Martin, Thos. P. ..... Arlington
Martin, Webster C. ..... Duluth
Martin, William B. ..... Duluth
Martin, William J. ..... Rochester
Martineau, Jos. L. ..... St. Paul
Martinson, Carl J. ..... Wayzata
Martinson, Elmer J. ..... Wayzata
Masson, Duncan M. ..... Rochester
† Masson, James C. ..... Rochester
Masson, James K. ..... Rochester
*† Matchan, Glenn R. ..... St. Paul
Mathieson, Don R. ..... Rochester
Matthews, James H. ..... Minneapolis
Mattill, Peter M. ..... Oak Terrace
Mattison, Percy A. ..... Winona
Mattson, Albert D. ..... St. James
Mattson, H. A. N. ..... Minneapolis
Maxeiner, Stanley R., Sr. ..... Minneapolis
‡ Maxeiner, Stanley R., Jr. ..... Ft. Monroe, Va.
† Maxfield, Robert G. ..... Rochester
Mayne, Roy M. ..... Nopeming
Mayo, Chas. W. ..... Rochester
McBean, L. B. ..... Rochester
McCabe, James S. ..... St. Paul
McCaffrey, Fabian J. ..... Minneapolis
McCain, Donovan L. ..... St. Paul
McCann, Danl. F. ..... Bemidji
McCann, Eugene J. ..... Minneapolis
McCannel, Malcolm A. ..... Minneapolis
McCarran, Samuel P. ..... Rochester
McCarten, Francis M. ..... Stillwater
McCarthy, Austin M. ..... Willmar
McCarthy, Donald ..... St. Paul
McCarthy, Jos. J. ..... St. Paul
* McCarthy, W. R. ..... St. Paul
McCartney, James S. ..... Minneapolis
† McCarty, Paul D. ..... Ely
† McClanahan, J. H. ..... White Bear Lake
McClanahan, T. S. ..... White Bear Lake
McCloud, C. N., Jr. ..... St. Paul
‡ McClure, Rensselaer, Jr. ..... Fairmont, W. Va.
McConahey, W. M., Jr. ..... Rochester
McCormick, D. P. ..... Minneapolis
† McCoy, Mary K. ..... Duluth
† McDaniel, Orianna ..... Minneapolis
† McDonald, A. L. ..... Duluth
McDonald, John R. ..... Rochester
McDonald, Owen G. ..... Duluth
McDonald, W. J. ..... Crookston
† McDowell, John P. ..... St. Cloud
McEnaney, C. T. ..... Owatonna
McEwan, Alexander ..... St. Paul
McFarland, Arthur H. ..... Minneapolis
McFarlane, John A. ..... Rochester
McGandy, Robt. F. ..... Minneapolis
McGeary, Geo. E. ..... Minneapolis
McGeary, M.D. ..... Oceanside, Calif.
McGroarty, Brian J. ..... St. Paul
McGroarty, John J. ..... Easton
McHaffie, Orval L. ..... Duluth
McHardy, Bryson R. ..... Karlstad
McInerny, Maurice W. ..... Minneapolis
McIntire, Homer M. ..... Waseca
McIntyre, John A. ..... Owatonna
*† McIver, Bert A. ..... Lowry
McKaig, A. M. ..... Red Lake Falls
McKaig, Carle B. ..... Pine Island
‡ McKee, Robert E. ..... Homestead, Penn.
McKelvey, John L. ..... Minneapolis
McKenna, Elizabeth M. ..... Austin
McKenna, Jay K. ..... Austin
McKenna, Maurice J. ..... Grand Rapids
McKenzie, Chas. H. ..... Minneapolis
McKenzie, Eva E. ..... St. Paul
McKinlay, C. A. ..... Minneapolis
McKinney, Frank S. ..... Minneapolis
McLane, W. O. ..... Brainerd
McLaughlin, B. H. ..... Minneapolis
† McLaughlin, E. M. ..... Winona
* McLeod, J. L. ..... Grand Rapids
McManus, William F. ..... Princeton
McMurtrie, W. B. ..... Minneapolis
McNear, Geo. R., Jr. ..... Mankato
McNeil, John J. ..... Minneapolis
McNeill, J. A. ..... St. Paul
McNutt, John R. ..... Duluth
McPheeters, H. O. ..... Minneapolis
† McQuarrie, Irvine ..... Minneapolis
McQuay, N. W. ..... Rochester
McWhorter, Henry E. ..... Rochester
Mead, Chas. H. ..... Duluth
Meade, John R. ..... St. Paul
Mears, Burtis J. ..... St. Paul
Mears, Robert F. ..... Northfield
Mears, Thomas W. ..... Rochester
Medelman, John P. ..... St. Paul
Medoff, Alvin S. ..... Rochester
Meinert, Albert E. ..... Winona
Melancon, Jos. F. ..... St. Paul
† Melby, Benedik ..... Blooming Prairie
*† Mellby, O. F. ..... Thief River Falls
Meller, Robert L. ..... Minneapolis
† Melzer, G. R. ..... Lyle
Menges, Chas. G. H. ..... Rochester
Menold, Wm. F. ..... St. Paul
Mensheha, Nicholas ..... Forest Lake
Mercil, Wm. F. ..... Crookston
Merkert, Chas. E. ..... Minneapolis
Merkert, Geo. L. ..... Minneapolis
Merner, Thomas B. ..... Faribault
† Merrick, Charlotte T. ..... St. Paul
Merrick, Robert L. ..... St. Paul
Merrill, Robt. W. ..... Morris
Merriman, Lloyd L. ..... Duluth
Merritt, Wallace A. ..... Rochester
† Mesker, George H. ..... Olivia
‡ Metcalf, Norman B. ..... Princeton
Meyer, Anthony A. ..... Melrose
Meyer, Alvin J. ..... Minneapolis
† Meyer, Ette L. ..... Minneapolis
Meyer, Fredk. C. ..... Kenyon
Meyer, Paul F. ..... Faribault
Meyer, Robert J. ..... Minneapolis
Meyer, Robert P. ..... Faribault
† Meyerding, Edward A. ..... St. Paul
† Meyerding, Henry Wm. ..... Rochester
Michael, Jos. C. ..... Minneapolis
Michel, Henry H. ..... Minneapolis
Michels, Roger P. ..... Willmar
Michelson, Henry E. ..... Minneapolis
Michienzi, Leonard J. ..... St. Paul
† Mickelsen, Emma F. ..... Minneapolis
Mickelson, John C. ..... Mankato
Midboe, Gilbert T. ..... St. Paul
Midthune, A. S. ..... Lake Park
Milhaupt, E. N. ..... St. Cloud
Millakan, Clark H. ..... Rochester
Miller, Arder L. ..... Minneapolis
Miller, Harold E. ..... Minneapolis
Miller, Herman ..... Grand Meadow
Miller, Hugo E. ..... Minneapolis
Miller, John C. ..... Minneapolis
‡ Miller, J. M. ..... Detroit, Mich.
Miller, Roland D. ..... Rochester
Miller, Ross H. ..... Rochester
Miller, Samuel ..... Albert Lea
† Miller, Victor I. ..... Mankato
Miller, William J. ..... Rochester
Miller, W. R. ..... Red Wing
‡ Miller, W. T. ..... St. Paul
Miller, Z. R. ..... St. Paul
Millett, D. K. ..... Minneapolis
Mills, John L. ..... Winnebago
Mills, Stephen D. ..... Rochester
Milnar, Frank J. ..... St. Paul
Milton, John S. ..... Minneapolis
Minge, Raymond K. ..... Worthington
Minsky, Armen A. ..... Minneapolis
Mintz, Charles M. ..... Minneapolis
Misbach, Wm. D. ..... Fairmont
Mishek, Charles J. ..... St. Paul
Mitby, Irving L. ..... Minneapolis
Mitchell, Berton D. ..... Minneapolis
Mitchell, E. C. ..... Minneapolis
Mitchell, Mancel T. ..... Minneapolis
‡ Mixer, Harry W. ..... Ft. Hood, Texas
Moberg, Clarence W. ..... Detroit Lakes
Moe, John H. ..... Minneapolis
Moe, Thos. ..... Moose Lake
Moehn, John T. ..... Minneapolis
Moehring, Henry G. ..... Duluth
Moen, J. K., Jr. ..... Minneapolis
Moersch, Herman J. ..... Rochester
Moga, John A. ..... St. Paul
Molander, Herbert A. ..... St. Paul
Molenaar, Robert E. ..... Cannon Falls
Mollers, Theo. P. ..... Soudan
† Monahan, Elizabeth S. ..... Minneapolis
Monahan, Robert H. ..... St. Paul
Monroe, Paul B. ..... Cloquet
Monserud, Nels O. ..... Cloquet
Monson, Einer M. ..... Minneapolis
Monson, Leonard J. ..... Canby
Montgomery, Hamilton ..... Rochester
Mooney, Robert P. ..... St. Paul
Moore, Irvin H. ..... Minneapolis
† Moores, Kenneth D. ..... Rochester
Moorhead, Marie ..... Minneapolis
Moos, Daniel J. ..... Minneapolis
† Moquin, Marie A. ..... St. Paul
† Morehead, D. E. ..... Owatonna
† Moren, J. Adelaide ..... St. Paul
Morgan, Hugh O. ..... Amboy
Moriarty, Berenice ..... St. Paul
Moriarty, Cecile R. ..... St. Paul
Mork, Arthur H. ..... Anoka
Mork, Frank E. ..... Anoka
Morlock, Carl G. ..... Rochester
Morris, Kenneth L. ..... Rochester
Morrison, Charlotte J. ..... Minneapolis
Morse, Morton P. ..... LeRoy
Morsman, L. W. ..... Hibbing
Mortensen, J. D. ..... Rochester
Mortensen, Nels, G. ..... Minneapolis
Mosby, Maurice E. ..... Long Prairie
Moses, Royal R. ..... Kenyon
Mosser, Donn G. ..... Minneapolis
Mouritsen, Glenn J. ..... Fergus Falls
Moyer, John B. ..... Duluth
Moyer, Leonard B. ..... Minneapolis
Muir, Walter F. ..... Brown Valley
‡ Mulder, Donald W. ..... Rochester
Mulholland, Wm. M. ..... Minneapolis
Muller, A. E. ..... No. St. Paul
Mulligan, Arthur M. ..... Brainerd
Mundahl, Harold R. ..... St. Paul
Munson, Martin S. ..... Barnum
Murphy, E. P. ..... Minneapolis
Murphy, Jack T. ..... St. Paul
Murphy, Joseph E. ..... Marshall
† Murray, Elizabeth ..... Minneapolis
Murray, Robert A. ..... Hibbing
Musachio, Nicholas F. ..... Foley
Muske, Marvin ..... Minneapolis

Mussey, Mary E. ..... Rochester
† Mussey, Robt. D. ..... Rochester
Musty, Nicholas J. ..... Minneapolis
Myers, Cortland ..... Rochester
Myers, Jay A. ..... Minneapolis
† Myers, Richard L. ..... Rochester
Myers, Thomas T. ..... Rochester
Myhre, James A. ..... Minneapolis
Myre, Clifford R. ..... Paynesville
Myre, Theo. T. ..... Rochester

† Naegeli, Frank ..... Fergus Falls
Nagel, Harold D. ..... Waconia
Nakamura, James Y. ..... Deer River
Nash, Leo A. ..... St. Paul
Naslund, Ames W. ..... Minneapolis
Nauth, Bernard S. ..... Minneapolis
Navratil, Donald R. ..... Montgomery
Neal, Joe M. ..... St. Paul
Nealy, Donald E. ..... Adrian
† Neary, Angus J. ..... Rochester
Neary, Richard P. ..... Minneapolis
Neel, Harry B. ..... Albert Lea
Neff, Walter S. ..... Virginia
Nehring, Jesse P. ..... Preston
Neibergs, Lidija ..... St. Paul
Neibergs, Pauls ..... St. Paul
Neils, Vernon E. ..... Sauk Rapids
Nelson, Bernette G. ..... Minneapolis
Nelson, Bernice A. ..... Minneapolis
Nelson, Carleton A. ..... Worthington
Nelson, C. Barton ..... Minneapolis
Nelson, Clayton E. J. ..... Albert Lea
Nelson, Edward N. ..... Minneapolis
Nelson, Ernest J. ..... Lonsdale
Nelson, Glenn E. ..... Fairfax
Nelson, Harvey ..... Minneapolis
† Nelson, Henry E. ..... Crookston
Nelson, Kenneth L. ..... Warroad
Nelson, Lloyd S. ..... Minneapolis
† Nelson, Louis A. ..... St. Paul
Nelson, Maxine O. ..... Minneapolis
Nelson, Maynard C. ..... Minneapolis
Nelson, Melvin S. ..... Granite Falls
† Nelson, Nesmith P. ..... Minneapolis
Nelson, O. L. N. ..... Minneapolis
Nelson, Robert H. ..... International Falls
Nelson, Robert L. ..... Duluth
Nelson, Roy A. ..... Fergus Falls
Nelson, Wallace I. ..... Minneapolis
Nelson, Wilburn O. B. ..... Fergus Falls
‡ Nelson, William C. ..... Rochester
Nerenberg, Samuel T. ..... Minneapolis
Nesbitt, Samuel ..... Minneapolis
Nesheim, Martin O. ..... Emmons
Nessa, Curtis B. ..... St. Cloud
Nesse, J. A. ..... Austin
Nesset, Lawren B. ..... Minneapolis
Nesset, William D. ..... Minneapolis
Neumaier, Arthur ..... Glencoe
Neuman, Harold W. ..... Rochester
Neumeister, Charles A. ..... Minneapolis
Nice, Charles M. ..... Minneapolis
Nichols, Donald R. ..... Rochester
Nicholson, Murdoch A. ..... Duluth
Nicholson, Richard W. ..... Heron Lake
Nickerson, John R. ..... Fairmont
Nickerson, Neil D. ..... Fairmont
Nielson, Alvin M. ..... Northfield
Nietfeld, Aloys B. ..... Sauk Center
Nilson, Helmer J. ..... No. Mankato
Nimlos, Kenneth O. ..... St. Paul
† Nimlos, Lenore O. ..... St. Paul
Ninneman, Newton N. ..... Waconia
Nisius, George ..... Duluth
Nixon, James B. ..... Crosby
Noble, John F. ..... St. Paul
Noble, John L. ..... St. Paul
Noonan, William J. ..... Minneapolis
Noran, Axel S. N. ..... Minneapolis
Noran, Harold H. ..... Minneapolis
Norberg, Carl E. ..... Cloquet
Nord, Robert E. ..... Edina
Nordin, Gustaf T. ..... Minneapolis
Nordland, Martin, Sr. ..... Minneapolis
Nordland, Martin, Jr. ..... Minneapolis
Nordman, Willard F. ..... Mora
Norman, John F. ..... Crookston
Normann, Stephen T., Jr. ..... Waseca
Norris, Neil T. ..... Caledonia
Norum, Henry A. ..... Minneapolis
Norval, Mildred A. ..... Minneapolis
† Noth, Henry W. ..... Minneapolis
† Novak, Edward E. ..... New Prague
Nuessle, Walter G. ..... Springfield
Nuetzman, Arthur W. ..... Fairbault
Nutting, Roland E. ..... Duluth
Nydahl, Malvin J. ..... Minneapolis
Nye, Katherine A. ..... St. Paul
Nye, Lillian L. ..... St. Paul

Nygren, Wm. T. ..... Braham
Nylander, E. G. ..... Minneapolis
Nywall, Dean D. ..... Slayton

O'Brien, J. C. ..... St. Paul
O'Brien, Louis T. ..... Breckenridge
† O'Connor, Danl. C. ..... Eden Valley
† O'Connor, Loren J. ..... St. Paul
O'Donnell, D. M. ..... Ortonville
O'Donnell, James E. ..... Minneapolis
O'Hanlon, John A. ..... Minneapolis
O'Kane, Thomas W. ..... St. Paul
O'Keefe, James P. ..... St. Cloud
‡ O'Keefe, Mathew ..... Rochester
† O'Leary, John B. ..... Minneapolis
O'Leary, J. H. ..... Thief River Falls
O'Leary, Paul A. ..... Rochester
‡ O'Malley, Valentine ..... St. Paul
O'Neil, Richard L. ..... Rochester
O'Neill, John C. ..... Duluth
O'Phelan, E. Harvey ..... Minneapolis
O'Reilley, Bernard E. ..... St. Paul
‡ O'Shaughnessy, E. J. ..... Camp Kilmer, N. J.
† Oberg, Carl M. ..... Minneapolis
Ochsner, Clarence G. ..... Wabasha
Ockuly, Orville ..... St. Paul
Odel, Howard M. ..... Rochester
Odland, Mark E. ..... Detroit Lakes
Odland, Olin ..... Granite Falls
Oeljen, S. C. G. ..... Waseca
Ogburn, Paul L. ..... Rochester
Ogden, Warner ..... St. Paul
Ohage, Justus ..... St. Paul
Olavs, Olga ..... Minneapolis
Olds, Geo. H. ..... New Richland
‡ Olive, John T., Jr. ..... Ft. Riley, Kan.
Oliver, Irwin L. ..... Graceville
Oliver, James ..... Moorhead
Olmanson, Edmund G. ..... St. Peter
Olsen, Arthur M. ..... Rochester
Olsen, Edward G. ..... Minneapolis
Olsen, Ralph L. ..... St. Paul
Olson, Albert J. ..... Owatonna
Olson, Alton C. ..... Minneapolis
Olson, Archibald O. ..... Duluth
Olson, Carl J. ..... Minneapolis
Olson, C. Kent ..... Minneapolis
Olson, Charles A. ..... St. Paul
Olson, Chester J. ..... Belle Plaine
Olson, Detlof, M. ..... Minneapolis
Olson, Duane O. C. ..... Gaylord
Olson, Ernest A. ..... Pine Island
Olson, Grant E. ..... West Concord
Olson, Lillian A. ..... Ah-Gwah-Ching
† Olson, Olof A. ..... Minneapolis
Onsgard, L. Kenneth ..... Houston
‡ Openshaw, Calvin R. ..... Salt Lake City, Utah
Oppegaard, Chester L. ..... Crookston
Oppen, E. Gerhard ..... Minneapolis
Oppen, M. G. ..... Wayzata
Opsahl, Lawrence J. ..... Willmar
Opstad, Earl T. ..... Oak Terrace
Orr, Burton A. ..... Faribault
‡ Orwoll, Harold S. ..... Japan
Osborn, Donald O. ..... Austin
Osborn, John E. ..... Rochester
Ostergaard, Erling ..... Evansville
Ostergren, Edward W. ..... St. Paul
Ostling, Burton C. ..... Kerkhoven
Otto, Henry C. ..... Frazee
Ouellette, Alfred J. ..... St. Paul
Ourada, Anthony L. ..... Ceylon
Owen, Charles A., Jr. ..... Rochester
Owens, F. M., Jr. ..... St. Paul
Owens, William A. ..... Montevideo

† Paciotti, V. J. ..... Minneapolis
Page, Raymond L. ..... St. Charles
Palen, Benjamin J. ..... Minneapolis
Palmer, Clinton F. ..... Albert Lea
Palmer, Harry A. ..... Blackduck
Palmerton, E. S. ..... Fergus Falls
Pankratz, Peter J. ..... Mountain Lake
Papermaster, Ralph ..... Two Harbors
Papermaster, Theo. C. ..... Minneapolis
Park, Wilford E. ..... Minneapolis
Parker, Charles W. ..... Wadena
Parker, Harry L. ..... Rochester
† Parker, O. W. ..... Minneapolis
Parker, Philip J. ..... Thief River Falls
Parker, Robert L. ..... Rochester
Parker, Wilbert H. ..... Chisholm
Parkhill, Edith M. ..... Rochester
Parson, E. J. ..... Duluth
Parson, E. Lillian B. ..... Elbow Lake
Parson, Lester R. ..... Elbow Lake
Parsons, Ralph L. ..... Monterey

‡ Parsons, W. B., Jr. ..... San Francisco, Calif.
Pasek, Antone W. ..... Cloquet
Patch, Orien B. ..... Duluth
Patrick, Robert T. ..... Worrington, Fla.
Patterson, Hugh D. ..... Slayton
† Patterson, W. L. ..... Fergus Falls
Paulson, John A. ..... Rochester
† Paulson, Theo S. ..... Fergus Falls
Paulson, Wallace ..... St. Paul
Paynter, Camen R. ..... Chicago, Ill.
† Pearsall, R. P. ..... Virginia
Pearson, Bror F. ..... Shakopee
Pearson, Fritz R. ..... St. Paul
Pearson, Malcolm M. ..... St. Paul
† Pearson, Roy T. ..... Shakopee
Pedersen, Arthur H. ..... St. Paul
Pedersen, Robert L. ..... Brainerd
Pedersen, Roy C. ..... Duluth
Peltier, Leonard F. ..... Minneapolis
‡ Peluso, Chas. R. ..... Phoenix, Ariz.
‡ Pemberton, A. H. ..... San Francisco, Calif.
† Pemberton, John ..... Rochester
Pender, John W. ..... Rochester
† Penhall, Fletcher W. ..... Willmar
Penk, Engward L. ..... Springfield
Penn, George E. ..... Mankato
Pennie, Danl. F. V. ..... Duluth
Peppard, Thos. A. ..... Minneapolis
Perkins, Douglass ..... Alexandria
Perlman, Everett C. ..... Minneapolis
Perlman, Herschel L. ..... Minneapolis
Perry, Harold ..... Rochester
Person, John P. ..... Albert Lea
Person, Waldemar N. ..... Rochester
Pertl, Albert L. ..... Canby
Peteler, Jennings C. ..... Minneapolis
Peters, Gustavus A. ..... Rochester
† Peters, Myra A. ..... Rochester
Petersen, Arthur B. ..... Rochester
Petersen, D. H. ..... Northfield
Petersen, Glenn L. ..... Minneapolis
† Petersen, John R. ..... Minneapolis
Petersen, Magnus C. ..... Rochester
Petersen, Peter C. ..... Minneapolis
Petersen, Robert T. ..... St. Cloud
Petersen, William E. ..... Minneapolis
Peterson, David B. ..... St. Paul
Peterson, Donald H. ..... St. Paul
Peterson, Edward N. ..... Virginia
Peterson, Harold O. ..... St. Paul
Peterson, Herbert W. ..... Minneapolis
Peterson, Joel L. E. ..... St. Paul
Peterson, John H. ..... Duluth
Peterson, Kenneth A. ..... Marshall
Peterson, Kenneth H. ..... Hutchinson
Peterson, Nordahl P. ..... Minneapolis
Peterson, Oliver H., Sr. ..... Minneapolis
† Peterson, Oliver H., Jr. ..... Minneapolis
Peterson, Palmer A. ..... Minneapolis
Peterson, Peter E. ..... Minneapolis
Peterson, Roy A. ..... Vesta
Peterson, Roy L. ..... White Bear Lake
Peterson, Stanley C. ..... Austin
Peterson, Willard C. ..... Minneapolis
Peterson, Willard E. ..... Willmar
Peterson, W. H. ..... Spring Valley
Peterson, Henry ..... Minneapolis
Petit, Julien V. ..... Minneapolis
Petit, L. J. ..... Minneapolis
Petraborg, Harvey T. ..... Aitkin
Pettersen, George R. ..... Mabel
Pettet, John ..... Rochester
Pewters, John T. ..... Minneapolis
Peyton, Wm. T. ..... Minneapolis
Phares, Otto C. ..... St. Cloud
Phelps, Kenneth A. ..... Minneapolis
Phillips, John W. ..... Rochester
‡ Philp, David R. ..... Minneapolis
Pierce, Chas. H. ..... Wadena
Pierce, Jack R. ..... Virginia
Pierce, Robert B. ..... Renville
Pierson, Roy F. ..... Slayton
† Piper, Monte C. ..... LaCanada, Calif.
Piper, Wm. A. ..... Mountain Lake
† Place, Virgil A. ..... Rochester
Plasha, Matthew K. ..... Anoka
Plass, Herbert F. R. ..... Minneapolis
† Platou, Erling S. ..... Minneapolis
Plimpton, N. C., Jr. ..... Minneapolis
† Plondke, Fred J. ..... St. Paul
Plotke, Harry L. ..... St. Paul
Plucker, Milton W. ..... Clarkfield
Pogue, Richard E. ..... Watertown
Pohl, John F. M. ..... Minneapolis
† Poirier, Jos. A. ..... Forest Lake
Polley, Howard F. ..... Rochester
† Pollock, David K. ..... Minneapolis
Polski, Paul G. ..... So. St. Paul
Polzak, Jacob A. ..... Minneapolis

Pone, John.....Silver Lake
Ponterio, James E.....Shakopee
Pool, Thomas L.....Rochester
† Poppe, Fredk. H.....Minneapolis
Potek, David.....Minneapolis
Potter, R. B.....Minneapolis
Potthoff, Carl J.....Rochester
Powelson, Myron H.....Rochester
Power, John E., Sr.....Duluth
Power, John E., Jr.....Duluth
*† Powers, Fred H.....Rochester
* Prangen, A. DeH.....Rochester
† Pratt, F. J., Sr.....Minneapolis
‡ Pratt, F. J., Jr.....New York, N. Y.
‡ Pratt, George F.....San Francisco, Calif.
Pratt, J. H., Jr.....Rochester
Preine, Irving A.....Osseo
† Preisinger, Jos. W.....Dallas, Texas
Preston, Paul J.....Minneapolis
Prickman, Louis E.....Rochester
Priest, Robt. E.....Minneapolis
Priestley, James T.....Rochester
† Prim, Jos. A.....Minneapolis
Prins, Leo R.....Albert Lea
Proeschel, Ray K.....Willmar
Proffitt, William E.....Minneapolis
Prochek, Chas. E.....Minneapolis
Pruitt, Raymond D.....Rochester
Pugh, David G.....Rochester
Pumala, Erven E.....Warren
Purves, George H.....Hendricks
Puumala, Reino H.....Cloquet

Quanstrom, V. E.....Brainerd
Quattlebaum, Frank.....St. Paul
Quello, Robt. O. B.....Minneapolis
Quer, Erich A.....Kansas City, Mo.
† Quigley, Walter P.....Brooklyn, N. Y.
† Quist, Henry W., Sr.....Minneapolis
Quist, Henry W., Jr.....Minneapolis

Raadquist, Chas. S.....Hibbing
Raattama, John.....Keewatin
Rabens, Robert A.....Rochester
Racer, Harley J.....Stillwater
Raetz, Sylvester J.....Maple Lake
Rajala, Arnold I.....Grand Rapids
Ralph, James R.....St. Paul
Ralston, Donald E.....Rochester
† Ramsey, Walter R.....St. Paul
* Randall, A. M.....Ashby
Randall, Lawrence M.....Rochester
Randall, Raymond V.....Rochester
Ransom, H. R.....Osseo
† Ransom, Matthias L.....Hancock
Rasmussen, Ramby C.....St. Paul
Rasmussen, W. C.....Rochester
Ravits, Harold G.....St. Paul
Rayner, Ralph R.....Gibbon
Rea, Chas. E.....St. Paul
Reader, Donald R.....Minneapolis
Reed, Paul.....Virginia
* Reeve, E. T.....Elbow Lake
Reff, Alan R.....Crookston
Regnier, Edw. A.....Minneapolis
Reid, James W.....St. Paul
Reid, Lewis M.....Minneapolis
Reif, Harold A.....Minneapolis
Reif, Henry J.....St. Cloud
Reiley, Richard E.....Minneapolis
† Reineke, George F.....New Ulm
Reitemeier, Richard J.....Rochester
Reitmann, John H.....Anoka
ReMine, W. H., Jr.....Rochester
Remole, William D.....Minneapolis
Remsberg, R. R.....Tracy
† Replogle, Wm. H.....Los Angeles, Calif.
Resch, Jos. A.....Minneapolis
Rice, Carl O.....Minneapolis
Rice, Frank B.....Minneapolis
Rice, Fred A.....Minneapolis
Rice, Hagbart G.....Moorhead
Rice, Roberta G.....Grand Island, Neb.
Richards, Ernest T. F.....St. Paul
Richards, Wm. B.....St. Cloud
Richardson, Edward J., Jr.....St. Paul
Richardson, Robert J.....St. Paul
Richdorf, Lawrence F.....Minneapolis
Rick, Paul F. W.....St. Paul
Ridley, Roger W.....Rochester
Rieke, Wellington W.....Wayzata
Rieschl, Elizabeth K.....Jordan
Rigler, Leo G.....Minneapolis
Rigler, R. G.....Rochester
Ringle, Otto F.....Walker
Rinkey, Eugene.....St. Paul
Riordan, Elsie M.....Minneapolis
‡ Ripepi, James D.....New York, N. Y.
Risch, Ronald E.....Minneapolis
Risser, Alden F.....Stewartville
Ritchie, Wallace P.....St. Paul
Ritt, Albert E.....St. Paul
† Ritzinger, Fredk. R.....Lakefield
Rizer, Dean K.....Minneapolis
Rizer, Robt. I.....Minneapolis
Robb, Edwin F.....Minneapolis
† Robbins, Chas. P.....Winona
Robbins, Owen F.....Minneapolis
Roberts, Byron H.....Minneapolis
Roberts, Lewis J.....Minneapolis
Roberts, Oliver W.....Owatonna
Roberts, Stanley W.....Minneapolis
† Roberts, W. B.....Minneapolis
*† Robertson, J. B.....Minneapolis
Robertson, Paul A.....Austin
Robilliard, Chas. M.....Faribault
Robinett, Robert W.....Worthington
Robinson, C. O.....Minneapolis
Rocknem, Robert E.....Minneapolis
Rockwell, C. V.....Minneapolis
Rockwood, Philo H.....Fergus Falls
† Rodda, Fredk. C.....Minneapolis
Rodgers, Richard S.....Minneapolis
Roehlke, Arthur B.....Elk River
Roemer, Henry J.....Winona
Rogers, Arnold G.....Rochester
Rogers, Chas. W.....Winona
Rogers, Sidney F.....St. Paul
† Rogin, Norton.....St. Louis Park
Rogne, Wm. G.....Spring Grove
Roholt, Christian L.....McIntosh
‡ Roholt, H. B.....Fosston
† Rohrer, Christian.....Des Moines, Iowa
Rokala, Henry E.....Virginia
Rolig, David H.....St. Paul
Rollie, O. O.....St. Paul
Rollins, Pat.....St. Charles
‡ Rollins, Troy G.....Hoopa, Calif.
Rome, Howard P.....Rochester
Romness, Joseph O. Schenectady, N. Y.
‡ Romness, Kenneth.....Mound
† Rood, D. C.....Santa Barbara, Calif.
Rooke, E. D.....Rochester
Rorem, Jos. A.....Appleton
† Rosander, Phyllis.....Minneapolis
Rose, John T.....Lakefield
Rosenbaum, David L.....Minneapolis
Rosendahl, Fredk. G.....Minneapolis
Rosenfield, Abraham B.....Minneapolis
Rosenow, John H.....Minneapolis
Rosenthal, F. Harold.....Austin
Rosenthal, Robert.....St. Paul
† Rosenwald, Reuben M.....Anoka
Ross, Alexander J.....Minneapolis
Rossberg, Raymond A.....Morris
Rossen, Ralph.....Hastings
Roth, Fredk. D.....Mankato
Roth, George C.....St. Paul
Rothnem, Morris.....Minneapolis
† Rothschild, Harold J.....St. Paul
Rothwell, Walter S.....Rochester
Roust, Henry A.....Montevideo
Rovelstad, R. A.....Rochester
Rowe, Olin W.....Duluth
Rowe, William H.....Fairmont
Rowles, Everett K.....Coleraine
Roy, Phil C.....St. Paul
Rozycki, Anthony.....Pine River
Rucker, Chas. W.....Rochester
Rucker, Wm. H.....Minneapolis
Rud, Norman E.....Minneapolis
Rudell, Gustave.....Minneapolis
Rudie, Clifford N.....St. Peter
Rudie, Peter S.....Duluth
Ruggles, Geo. M.....Forest Lake
† Ruhberg, Geo. M.....Tarzona, Calif.
Rumpf, Carl W.....Faribault
Runquist, John M.....Duluth
Rushton, Joseph G.....Rochester
Russ, Homer H.....Blue Earth
Russeth, Arthur N.....Minneapolis
Rusten, Elmer M.....Minneapolis
Rusterholz, Alan P.....St. Paul
Rutledge, Lloyd H.....Detroit Lakes
Ryan, John J.....St. Paul
Ryan, Jos. M.....St. Paul
Ryan, Wm. J.....Duluth
Rydburg, Wayne C.....Minneapolis
‡ Rydland, Arne D.....Foley, Ala.
Rygh, Harold N.....Atwater
Rynda, Edwin R.....New Prague
Rynearson, Edward H.....Rochester
Rysgaard, George M.....Northfield

St. Cyr, Harry M., Jr.....Robbinsdale
St. Cyr, Kenneth J.....Robbinsdale
Sach-Rowitz, Alvan.....Moose Lake
Sadler, Wm. P., Jr.....Minneapolis
Saffert, Cornelius A.....New Ulm
Sahr, Walter G.....Hutchinson
Salassa, Robert M.....Rochester
Saliterman, Bernard I.....Minneapolis
‡ Salk, Richard J.....Sauk Rapids
Salter, Reginald A.....Virginia
Samuelson, L. G.....Mankato
Samuelson, Samuel.....Minneapolis
Sandeen, Robert M.....Buffalo
Sandell, Samuel T.....Nopeming
Sanderson, A. G.....Anoka
Sanderson, David J.....Fergus Falls
Sandt, Karl E.....Minneapolis
Sandven, Nels O.....Paynesville
† Sanford, Arthur H.....Rochester
† Sanford, James A.....Savage
† Sanford, John B.....Duluth
Sanford, Raymond A.....Minneapolis
Sarff, Oliver E.....Duluth
Sargent, Edward C., Jr.....Austin
Sarnecki, M. M.....St. Paul
† Satersmoen, Theo.....Pelican Rapids
Sather, Edgar L.....Fosston
Sather, Edgar R.....Alexandria
Sather, George A.....Fosston
Sather, Richard N.....Fosston
Sather, Russell O.....Crookston
Satterlee, Howard W.....Lewiston
† Satterlund, Victor L.....St. Paul
Sauer, William G.....Rochester
† Savage, Francis J.....St. Paul
Sawatzky, W. A.....Minneapolis
Sawtell, Robert R.....Worthington
Sax, Milton H.....Duluth
Sax, Simon G.....Duluth
Saxman, Gertrude O.....Georgetown
Sayre, George P.....Rochester
Sborov, A. M.....Minneapolis
Scanlon, Paul W.....Rochester
Schaaf, F. H. K.....Minneapolis
Schaar, Frances E.....Minneapolis
Schade, Fredk. L.....Worthington
Schaefer, Jos. F.....Owatonna
Schaefer, Wesley G.....Minneapolis
Schamber, Walter F.....Parkers Prairie
Schatz, Francis J.....St. Cloud
Scheidel, A. McK.....Rochester
Scheifley, Charles H.....Rochester
† Scheldrup, N. H.....Minneapolis
Scherer, Leslie R.....Minneapolis
Scherling, Sidney S.....Minneapolis
Schiele, Burtrum C.....Minneapolis
Schimelpfenig, George.....Chaska
Schirber, Martin J.....Grand Ranids
Schissel, Gregory A.....Minneapolis
* Schlesselman, G. H.....Minneapolis
Schmid, John F.....Duluth
Schmidt, Herbert W.....Rochester
Schmidt, Hilmar R.....Winona
† Schmidt, P. A.....Aurora, Ill.
Schmidt, P. G., Jr.....Granite Falls
Schmidt, Ruben F.....Alden
Schmidt, W. R.....Minneapolis
Schmidtke, R. L.....St. Paul
† Schmitt, S. C.....El Cajon, Calif.
Schmitz, Anthony A.....Mankato
† Schmitz, Everett J.....Seattle, Wash.
Schmitz, Glenn P.....Little Falls
Schneck, Jack I.....Waukesha, Wisc.
Schneider, Lawrence E.....Duluth
Schneider, Paul J.....Adams
Schnell, Fredk. S.....Litchfield
† Schoch, Robert B. J.....St. Paul
Schoeneberger, P. B.....Perham
† Scholpp, Otto W.....Hutchinson
Schons, Edward.....St. Paul
Schottler, Max E.....Minneapolis
† Schroder, Chas. H.....Pottstown, Pa.
Schroeckenstein, H. F.....St. Paul
Schroeder, Albert J.....Minneapolis
Schroeppel, John E.....Winthrop
† Schuldt, Fredk. C.....St. Paul
Schultz, Donald O.....Minneapolis
† Schultz, J. Albert.....Albert Lea
Schultz, J. H.....Minneapolis
Schultz, Peter J.....Minneapolis
† Schulze, Albert G.....St. Paul
Schulze, William M.....Minneapolis
Schumacker, John W.....Robbinsdale
Schutz, Elmer S.....Mountain Lake
Schutz, John C.....Eden Valley
† Schwartz, Carl A.....Rochester
Schwartz, E. Robert.....Minneapolis
Schwartz, Virgil J.....Minneapolis
Schwarz, Bert E.....Rochester
Schweiger, Theo. R.....Hibbing
‡ Schwyzer, Arnold G.....Waltham, Mass.
Schwyzer, Hanns C.....St. Paul

Schwyzer, Marguerite.....St. Paul
Scott, Eugene E.....St. Paul
Scott, Horace G.....Minneapolis
Scudamore, Harold H.....Rochester
Seaberg, John A.....Minneapolis
Seashore, R. T.....Duluth
Seery, Thomas M.....Austin
Seham, Max.....Minneapolis
Seifert, Milton H.....Minneapolis
Seifert, Otto J.....New Ulm
* Seitz, S. B.....Barnesville
Sekhon, Mohan S.....St. Paul
Seldon, Thomas H.....Rochester
Seljeskog, S. R.....Minneapolis
Sells, Richard S.....St. Paul
Selmo, Joseph D.....Norwood
Semsch, Robert D.....Minneapolis
† Senkler, George E.....St. Paul
† Senn, Edward W.....Owatonna
Sether, Arthur F.....Ruthton
Setzer, Hobert J.....St. Paul
Seybold, Herbert M.....Rochester
Shandorf, James F.....Minneapolis
Shannon, Wm. R.....St. Paul
Shaperman, Eva P.....Minneapolis
Shapiro, Sidney K.....Minneapolis
Sharp, David D.....Minneapolis
Shaver, Ward.....Fergus Falls
Shaw, Howard A.....Minneapolis
Shea, Andrew W.....Minneapolis
Sheedy, Chester L.....Austin
† Shellman, J. L. Pacific Palisades, Calif.
Sheppard, C. G.....Hutchinson
Sher, David A.....Virginia
Sher, Lewis.....Minneapolis
Sherman, Alfred G.....Albert Lea
Sherman, Carnot H.....Bayport
Sherman, Chas. L.....Luverne
Sherman, Hubert T.....Cambridge
Sherman, Lloyd F.....Minneapolis
Sherman, Royal V.....Red Wing
† Sherwood, George E.....Kimball
Shick, Richard M.....Rochester
Shields, Jack W.....Rochester
Shillington, M. A.....Minneapolis
Shirai, Shohei.....Coleraine
Shocket, Everett.....Rochester
Sholl, Philip R.....Rochester
Short, Jacob.....St. Paul
Shragg, Robert I.....Howard Lake
Shronts, John F.....Minneapolis
Siegel, Clarence.....St. Paul
Siegel, John S.....Virginia
‡ Siegel, S. C.....St. Paul
Siegmann, Wm. C.....Minneapolis
Siekert, R. G.....Rochester
Silas, Ralph M.....Minneapolis
Silver, Arthur W.....Rochester
Silver, John D.....Minneapolis
Simison, Carl.....Barnesville
Simmonds, H. N.....Prior Lake
† Simon, Howard B.....Rochester
‡ Simon, T. R.....Wichita Falls, Texas
Simons, Bernard H.....Chaska
Simons, Edwin J.....Edina
† Simons, Jalmar H.....Minneapolis
Simons, Leander T.....St. Paul
Simonson, Donald B.....Minneapolis
Simonton, K. MacL.....Rochester
† Simpson, Ellery D.....Phoenix, Ariz.
Simpson, Harry M., Jr.....Rochester
Sinamark, Andrew.....Hibbing
Singer, Benj. J.....St. Paul
Sinykin, Melvin B.....Minneapolis
Siperstein, David M.....Minneapolis
Sisk, Harvey E.....St. Cloud
Sisler, Clifford E.....Grand Rapids
‡ Sisterman, Thomas J.....Minneapolis
† Sivertsen, Andrew.....Minneapolis
† Sivertsen, Ivar.....Minneapolis
Sjoding, J. D.....Mankato
Sjostrom, Lawrence E.....St. Peter
Skaife, William F.....Little Falls
Skinner, Abbott.....St. Paul
† Skinner, Harvey O.....St. Paul
Skjold, Arthur C.....Minneapolis
Skogerboe, R. B.....Karlstad
† Skrdla, Willard B.....Rochester
Slater, Sidney A.....Worthington
Slocumb, Charles H.....Rochester
† Smiley, John T.....Minneapolis
Smisek, Elmer A.....St. Paul
Smisek, Frank M. E.....Minneapolis
Smith, Adam M.....Minneapolis
Smith, Archie M.....Minneapolis
Smith, Ballard F.....Rochester
Smith, Baxter A., Jr.....Minneapolis
Smith, Clyde.....Bismarck, N. D.
Smith, Cyril M.....Duluth
Smith, Don V.....Blue Earth
† Smith, Fredk. L.....Rochester
‡ Smith, George R. Gunther A.F.B., Ala.
Smith, Graham G.....Minneapolis
Smith, Harry.....Lake Crystal
Smith, Harry L.....Rochester
† Smith, Homer R.....Minneapolis
Smith, Leon G.....Montevideo
Smith, Lloyd A.....Willmar
Smith, Lowell R.....Rochester
Smith, Lucian A.....Rochester
‡ Smith, M. P.....Mare Island, Calif.
† Smith, Margaret I.....Robbinsdale
† Smith, Myron W.....Red Wing
Smith, Newton D.....Rochester
Smith, Norvin R.....Willmar
Smith, Paul M.....Lake Crystal
Smith, Roger C.....Rochester
† Smith, Ross H., Jr.....Rochester
Smith, Theo. S.....Minneapolis
Smith, V. D. E.....St. Paul
Smith, Wallace R.....Grand Marais
Smith, Wm. T.....Minneapolis
Smorszczok, Mitrofan.....Monticello
Smyth, John J.....Lester Prairie
Snyder, Clifford D.....Kiester
Snyder, Geo. W.....St. Paul
Snyker, Omer E.....Ely
Soderlind, Ragnar T.....Minneapolis
Sogge, Ludwig L.....Windom
Sohlberg, Olof I.....St. Paul
† Sohmer, A. E. J.....Mankato
Solhaug, Saml. B.....Minneapolis
Solsem, Fredk. N. S.....Spicer
Solvason, Harold M.....Minneapolis
Sommers, Ben.....St. Paul
Sommerness, M. Duane.....Willmar
Sonnesyn, Nels N.....Le Sueur
Sorem, Milton B.....St. Paul
Sorum, F. T.....Willmar
Soucheray, Philip H.....St. Paul
Soule, Edward H.....Rochester
Souster, Benj. B.....St. Paul
Sowada, Ernest J.....St. Paul
Spang, Anthony J.....Duluth
Spang, James S.....Duluth
Spang, William M.....Duluth
Spano, Jos. P.....Minneapolis
Spencer, Bernard J.....Minneapolis
Spink, Wesley W.....Minneapolis
Spittel, John A., Jr.....Rochester
Sponsel, Kenath.....Minneapolis
‡ Sprafka, Gregory A.....New York, N. Y.
† Sprafka, Joseph L.....St. Paul
Sprafka, Joseph M.....St. Paul
Sprague, Randall G.....Rochester
† Spratt, Chas. N.....Minneapolis
Spurbeck, George H.....Ah-gwah-ching
Spurzem, Raymond J.....Anoka
Stadem, Clifford J.....Twin Valley
Stahler, Paul A.....Jordan
‡ Stahn, Louis H.....El Paso, Texas
Stahr, Aubrey C.....Hopkins
Stam, John.....Worthington
Stanford, Chas. E.....Minneapolis
Stanley, Court R.....Worthington
Starekow, M. D.....Thief River Falls
Starr, Grier F.....Rochester
Staub, Henry P.....Minneapolis
Steffens, Leon A.....Red Wing
Stein, Raymond J.....Pierz
Steinberg, Chas. L.....St. Paul
Steiner, Irving W.....Winona
Steiner, Leon E.....Albert Lea
Steinhilber, R. M.....Rochester
Stelter, Lloyd A.....Minneapolis
Stemsrud, Harold L.....Alexandria
‡ Stennes, John L.....Minneapolis
Stenstrom, Annette E. T.....Minneapolis
Sterner, Donald C.....St. Paul
† Sterner, Ernest G.....St. Paul
Sterner, E. R.....St. Paul
Sterner, John J.....St. Paul
Sterrie, Norman A.....Minneapolis
‡ Stevens, Grant M.....San Diego, Calif.
Stevenson, Basil M.....Fulda
Stevenson, Frank W.....Faribault
Stewart, Alexander.....St. Paul
Stewart, Allan H.....Rochester
Stewart, Donald E.....Crookston
Stewart, Marvin J.....Minneapolis
Stewart, Rolla I.....Minneapolis
Stickney, J. Minott.....Rochester
† Stiegler, Farrell S.....St. Paul
Stilwell, George G.....Rochester
Stillwell, George K.....Minneapolis
Stillwell, Walter C.....Mankato
Stoesser, Albert V.....Minneapolis
Stolpestad, Armer H.....St. Paul
Stolpestad, Herbert L.....St. Paul
Stoltz, Robert C.....Minneapolis
† Stomel, Joseph.....Mayview, Pa.
‡ Stone, Norman F.....Chicago, Ill.
Stone, Stanley P.....Minneapolis
Storsteen, Kenneth A.....Duluth
‡ Stoy, Robert A.....Chicago, Ill.
† Strachauer, Arthur C.....Minneapolis
‡ Strandjord, Nels M.....New York, N. Y.
Stransky, Theo. W.....Owatonna
Strate, Gordon E.....St. Paul
Strathern, Carleton S.....St. Peter
† Strathern, Fred P.....St. Peter
† Strathern, Moses L.....Gilbert
Stratte, Alf K.....Pine City
Stratte, Harold C.....Windom
Strauchler, Jona.....Belview
Straus, M. L.....St. Paul
Strauss, Eugene C.....Duluth
Street, Bernard.....Northfield
Strem, Edward L.....St. Paul
Strewler, Gordon J.....Duluth
Strickler, Jacob H.....Minneapolis
Strobel, Wm. G.....Duluth
Stroebel, Chas. F. Jr.....Rochester
Strom, Gordon W.....Minneapolis
Stromgren, Delph T.....Minneapolis
Stromme, William B.....Minneapolis
Strunk, Clarence A.....Minneapolis
Struthers, Alfred M.....Rochester
Struxness, D. F.....Glencoe
Studer, Donald J.....Faribault
‡ Stuhler, Louis G..San Francisco, Calif.
Stuhr, John W.....Stillwater
Sturges, Robert L.....Minneapolis
Sturley, Rodney F.....St. Paul
† Subby, Walter.....Minneapolis
Sukov, Marvin.....Minneapolis
Sutherland, Harry N.....Ely
Sutherland, W. H.....New London
Sutton, Harris R.....Hoffman
Svien, Hendrik J.....Rochester
Swain, Francis M.....Minneapolis
Swanson, John A.....St. Paul
‡ Swanson, Lawrence J.....West St. Paul
Swanson, Roy E.....Minneapolis
Swedberg, William A.....Duluth
Swedenburg, Paul A.....Glenwood
Sweetser, Horatio B.....Minneapolis
Sweetser, Theo. H., Sr.....Minneapolis
Sweetser, Theo. H., Jr.....Minneapolis
† Sweitzer, Saml. E.....Minneapolis
† Swendseen, Carl G.....Minneapolis
Swendson, James J.....St. Paul
Swenson, Arnold O.....Duluth
† Swenson, Donald B.....St. Paul
† Swenson, Donald B.....Minneapolis
Swenson, Orvie J.....Waseca
Swenson, Roy G.....North Branch
Symmonds, Richard E.....Rochester
Syverton, Jerome.....Minneapolis

Tam, Ernest C.....Minneapolis
Tangen, George M.....Minneapolis
Tanquist, Edwin J.....Alexandria
Tarantino, Joseph C.....Rochester
Tarun, Donald W.....Rochester
† Taub, Robert G.....Rochester
† Taylor, Jos. H.....Minneapolis
‡ Teich, Kenneth W.....Ft. Monmouth, N. J.
Teisberg, John E.....St. Paul
Tenner, Robert J.....Minneapolis
Terrell, Bernard J.....Nopeming
Tesch, Gordon H.....Elk River
Tetlie, James P.....Duluth
*† Thabes, J. A., Sr.....Brainerd
Thabes, J. A., Jr.....Brainerd
Thayer, Ellsworth A.....Fairmont
Thielen, Robt. D.....St. Michael
Thiem, Chester E.....Mankato
† Thomas, Geo. E.....Minneapolis
Thomas, Wm. H.....Howard Lake
Thomes, A. Boyd.....Minneapolis
Thompson, Carl O.....Hendricks
Thompson, Floyd A.....St. Paul
Thompson, Gershom J.....Rochester
Thompson, Harlow B.....St. Cloud
Thompson, Victor....Marine-on-St. Croix
Thompson, Willis H.....Minneapolis
Thomson, James M.....Austin
Thoreson, M. C. Bernice.....So. St. Paul
Thorsen, David S.....Minneapolis
Thorson, Stuart V.....Minneapolis
Thuringer, Carl B.....St. Cloud
Thysell, Desmond M.....Minneapolis
† Thysell, Fred A.....Moorhead
Thysell, Harold.....Crookston
Thysell, Vernon D.....Hawley
Tichy, Fae Y.....Minneapolis
Tifft, Cyril R.....St. Paul

‡ Tihen, Edward N. Wichita, Kan.
Tillisch, Jan H. Rochester
† Tingdale, August C. Minneapolis
Tingdale, Carlyle Hibbing
Tinkham, Robert G. Minneapolis
Titrud, Leonard A. Minneapolis
Tobin, John D. Minneapolis
‡ Todd, John W. San Francisco, Calif.
Tomhave, Wesley G. Hibbing
Tongen, Lyle A. St. Paul
Tosseland, Noel E. Duluth
Trach, Benedict B. Minneapolis
Tracht, Robert R. St. Paul
Traeger, Carl A. Faribault
Travis, James S. St. Paul
Traxler, J. F. Henderson
Tregilgas, H. R. So. St. Paul
Troost, Henry B. Mankato
Trow, James E. Minneapolis
Trow, Wm. H. Minneapollis
Trueman, Harold S. Minneapolis
Truesdale, Clark W. Glencoe
Tudor, Richard B. Minneapolis
Tsai, Shih Hao Oak Terrace
‡ Tuerk, Milton Allentown, Pa.
*†Tunsted, H. J. Minneapolis
Tuohy, Edward L. Duluth
Turbak, Chas. E. Canby
† Turnacliff, Dale D. St. Paul
Tweedy, John A. Winona
Twiggs, Leo F. Austin
Twomey, John E. Minneapolis

Ubel, Frank A. Rochester
Ude, Walter H. Minneapolis
Uhley, Chas. G. Crookston
Uihlein, Alfred Rochester
Ulery, Richard M. Rochester
† Ulrich, Henry L. Minneapolis
Ulvestad, H. S. Minneapolis
Underdahl, Laurentius O. Rochester
Undine, Clyde A. Minneapolis
Urberg, Sofus E. Duluth
† Utne, John R. Rochester
‡ Utz, David C. San Francisco, Calif.

Vadheim, Alfred L. Tyler
† Valentine, Walter H. Tracy
Van Bergen, Fredk. H. Minneapolis
Van Buskirk, Charles Minneapolis
Van Cleve, Horatio P., Jr. Austin
Vandersluis, C. W. Bemidji
Van Herik, Martin Rochester
Van Meier, Henry Stillwater
Van Rooy, Geo. T. Thief River Falls
Van Ryzin, Donald Duluth
Varco, Richard L. St. Paul
Vaughan, Victor M. Truman
Vaughn, Louis D. Rochester
Veirs, Dean M. St. Paul
Veirs, Ruby J. S. St. Paul
Venables, Alexander E. St. Paul
Veranth, Leonard A. St. Cloud
Verby, John E., Jr. Litchfield
Vermund, Halvor Minneapolis
Vezina, John C. Mapleton
Vik, A. Elliott Minneapolis
Vik, Melvin Anoka
Virnig, Hildegard, J. Caledonia
Virnig, Mark P. Wells
Virnig, Richard P. Wells
Vitols, T. M. Minneapolis
Vogel, Howard A. L. New Ulm
Vollmer, Fredk. J. Winona
‡ von Amerongen, W. W. St. Paul
Von Drasek Joseph Mankato

Waas, Chas. W. St. Paul
Wagener, Henry P. Rochester
Wagoner, James M. Harmony
Wahlquist, Harold F. Minneapolis
Wakefield, Elmer G. Rochester
† Wakim, Khalil G. Rochester
Walder, Harold J. Duluth
Waldron, Carl W. Hopkins
Walfred, Karl A. St. Cloud
† Walker, A. E. St. Paul
Walker, Arthur E. St. Paul
Wall, Carl R. Minneapolis
Wallace, Martin O. Duluth
† Waller, Jos. D. Pine City
Wallinga, Jack St. Paul
Walonick, Albert L. St. Louis Park
Walsh, Edw. F. St. Paul
Walsh, Francis M. Minneapolis
Walsh, William T. Minneapolis
Walter, Clarence Wm. St. Paul
Walter, Fredk. H. International Falls
Walters, Waltman Rochester
Wandke, Otto E. Fairmont
‡ Wang, Jun-Chuan Ft. Sam Houston, Texas
Wangensteen, Owen H. Minneapolis
‡ Ward, Bert B. Hampton, Va.
Ward, Louis E. Rochester
† Ward, Peter D. St. Paul
Ward, Percy A. Minneapolis
Warner, James J. Perham
Warren, Cecil A. St. Paul
Wasmund, Clarence W. Red Wing
Wasson, Loren F. Alexandria
Watkins, Chas. H. Rochester
Watkins, John A. Wells
Watson, Alexander M. Royalton
Watson, C. Gordon Minneapolis
Watson, Cecil J. Minneapolis
Watson, Eleanor J. Rochester
Watson, P. Theo. St. Paul
Watson, Percy T. Northfield
Watson, Robert M. Morris
Watson, S. Wm. Royalton
Watson, Wm. H. A. St. Paul
Watson, Wm. J. Newport
Watz, Clarence E. St. Paul
Waud, Robert E. Centralia, Wash.
Waugh, John M. Rochester
† Weaver, Myron M. Vancouver, B.C., Canada
Weaver, Paul H. Faribault
Weaver, Rex W. Rochester
Webb, Edgar A. Minneapolis
Webb, Roscoe C. Minneapolis
Webber, Fred L. St. Paul
Webber, Richard J. St. Louis Park
Weber, Harry Rochester
Weber, Lowell Minneapolis
‡ Wedes, Deno J. Chicago
Weed, Lyle A. Rochester
Wehr, M. B. Rochester
Weidman, William H. Rochester
Weir, James F. Rochester
Weis, Benjamin A. St. Paul
Weisberg, Maurice St. Paul
Weisberg, Raphael J. Minneapolis
Weiss, Carl A. Hastings
Welch, John S. Rochester
Wellman, Thomas G. Clinton, Iowa
Wellman, Wm. E. Rochester
Wellner, Theo. O. Rochester
Wells, Arthur H. Duluth
Wells, Walter B. Jackson
Wendland, John P. Minneapolis
Wendt, H. P. Thief River Falls
Wenner, Waldemar T. St. Cloud
Wente, Harold A. Rochester
† Wentworth, Albert J. Mankato
Wenzel, Gilbert P. St. Paul
† Werner, George Minneapolis
Wesolowski, Stanley P. St. Paul
† West, Catherine C. Minneapolis
Westby, Magnus Madison
Westby, Norval M. Madison
† Westerman, Alvin E. Montgomery
‡ Westover, D. E. St. Paul
Westrup, John E. Lanesboro
*†Wethall, Anton G. Minneapolis
Wetherby, Macnider Minneapolis
† Wetzel, Earl V. St. Paul
‡ Weyhrauch, Robert A. Phoenix, Ariz.
Wheeler, Dan'l. W. Duluth
Wheeler, G. S. Roseau
† Wheeler, Merrit W. Stillwater
Wheeler, Robert W. Minneapolis
White, Asher A. Minneapolis
† White, Roy A. New Orleans, La.
White, Willard D. Minneapolis
Whitesell, Lloyd A. Minneapolis
Whitson, Sidney A. Albert Lea
Whittemore, Dexter D. Bemidji
Widen, Wilford F. Minneapolis
Wierman, Wm. H. Rochester
Wikoff, Howard M. Crookston
*† Wilcox, Archa E. Minneapolis
Wilcox, G. Charles Wood Lake
† Wilder, Kenneth W. Minneapolis
Wilder, Robert L. Minneapolis
† Wilder, Russell M., Sr. Bethesda, Md.
Wilder, Russell M., Jr. Minneapolis
Wilken, Paul A. Minneapolis
Wilkinson, George R., Jr. Rochester
† Wilkinson, Stella L. St. Paul
Wilkowske, Rudolph J. Owatonna
Will, Charles B. Bertha
Will, William W. Bertha
† Willcutt, Clarence E. Phoenix, Ariz.
† Williams, Arthur B. St. Paul
Williams, Bruce F. P. Duluth
Williams, Chas. Pipestone
Williams, Clayton K. St. Paul
Williams, George E. Rochester
Williams, Henry L., Jr. Rochester
Williams, John A. St. Paul
† Williams, Leon A. Minneapolis
Williams, M. M. Ah-Gwah-Ching
Williams, Marland R. Cannon Falls
† Williams, Rasmus V. Rushford
Wiliams, Richard A. Rothsay
† Williams, Robert Duluth
Williamson, Harold A. Fairmont
Wilmot, Cecil A. Litchfield
Wilmot, Harold E. Litchfield
Wilson, Clyde E. Blue Earth
‡ Wilson, Franklin C. Ft. Belvoir, Va.
Wilson, J. Allen St. Paul
Wilson, James V. St. Paul
Wilson, Leo H., Jr. Rochester
‡ Wilson, Louis J. Winona
Wilson, Robert B. Rochester
Wilson, Rolland H. Minneapolis
‡ Wilson, Theodore W. Great Lakes, Ill.
Wilson, Viktor O. Rochester
Wilson, Warren E. Northfield
*†Wilson, Wm. F. Lake City
† Wiltrout, Irving G. Oslo
Winchell, Paul Minneapolis
‡ Winkelmann, Richard K. Birmingham, Ala.
† Winnick, Jos. B. St. Paul
Winter, John A. Duluth
Winterringer, James R. Rochester
Winther, Nora M. C. Minneapolis
Wipperman, Frederic Minneapolis
† Wise, Fred E., Jr. Rochester
Wisness, Osmund A. Comfrey
Witham, Carl A. Minneapolis
Wittchow, Allen W. Rochester
Wittich, Fredk. W. Minneapolis
Wittrock, Louis H. Watkins
Wohlrabe, Arthur A. Minneapolis
Wohlrabe, A. Cabot Minneapolis
Wohlrabe, Clarence F. No. Mankato
Wohlrabe, Edwin J. Springfield
Wohlrabe, John C. St. Clair
Wolf, Alfred H. Minneapolis
Wolff, Herman J. St. Paul
Wolff, John M. Duluth
Wolkoff, H. J. St. Paul
Wollaeger, Eric Rochester
Wolstan, S. D. Minneota
Wolter, Fredk. H. Minneapolis
Woltjen, Myron J. Rushford
Woltman, Henry M. F. Rochester
† Wood, Harry G. Rochester
Woolner, Lewis B. Rochester
Word, Harlan L. St. Paul
Workman, Warner G. Tracy
Woyda, William C. Elk River
† Wray, Wm. E. Campbell
Wright, Robert R. Austin
Wright, Thomas D. Minneapolis
Wright, Wale S. Minneapolis
Wright, Wm. S. Minneapolis
‡ Wuest, John H., Jr. Los Angeles, Calif.
Wurdemann, Alma L. White Bear Lake
Wyatt, Oswald S. Minneapolis
Wynne, Herbert M. N. Minneapolis

Yaeger, Wilbert W. Marshall
‡ Yamamoto, Joe. Ft. Lewis, Wash.
† Ylitalo, Wm. H. Rochester
Ylvisaker, R. S. Minneapolis
Yoerg, Otto W. Minneapolis
Young, Henry H. Rochester
Young, Thos. O. Duluth
Younger, Lewis I. Winona
Youngren, Everett R. St. Paul

Zachman, Albert H. Melrose
Zachman, Leo L. St. Paul
Zahrendt, O. Lewis Minneapolis
Zarling, V. Richard Minneapolis
Zaworski, Leo A. Minneapolis
‡ Zeigler, Charles M. Pine River
‡ Zeller, Wm. W. Philadelphia, Pa.
Zemke, Erhart E. Fairmont
Ziegler, Robert G. Welcome
Zierold, Arthur A. Minneapolis
Zimmer, J. F. Rochester
Zimmermann, Harry B. St. Paul
Zinter, Ferdinand A. Minneapolis
Ziskin, Thos. Minneapolis
Zupanc, Edward Duluth